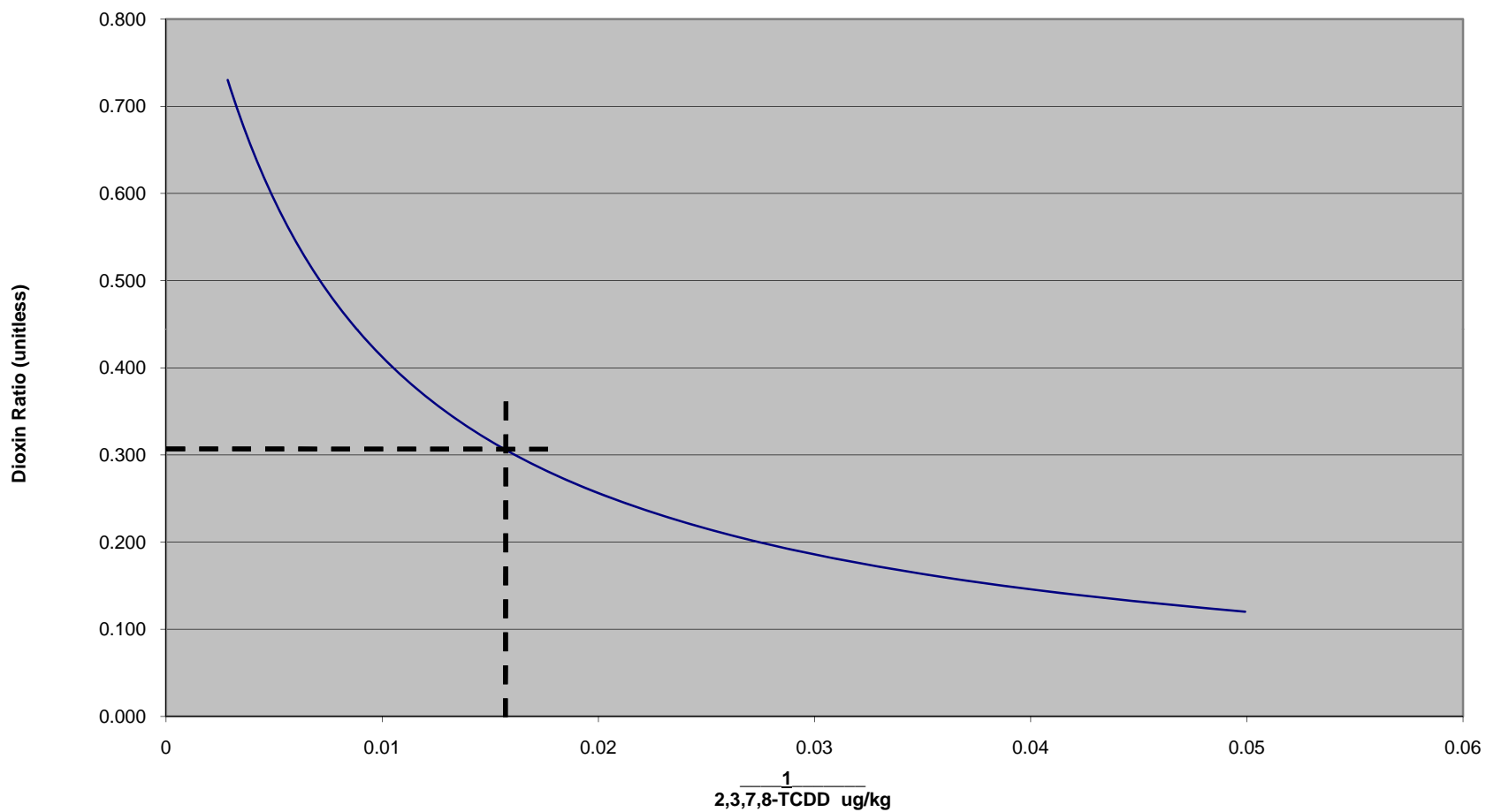


**Example Two-End-Member
Mixing Curve**
Lower Passaic River Restoration Project

Figure 6-12

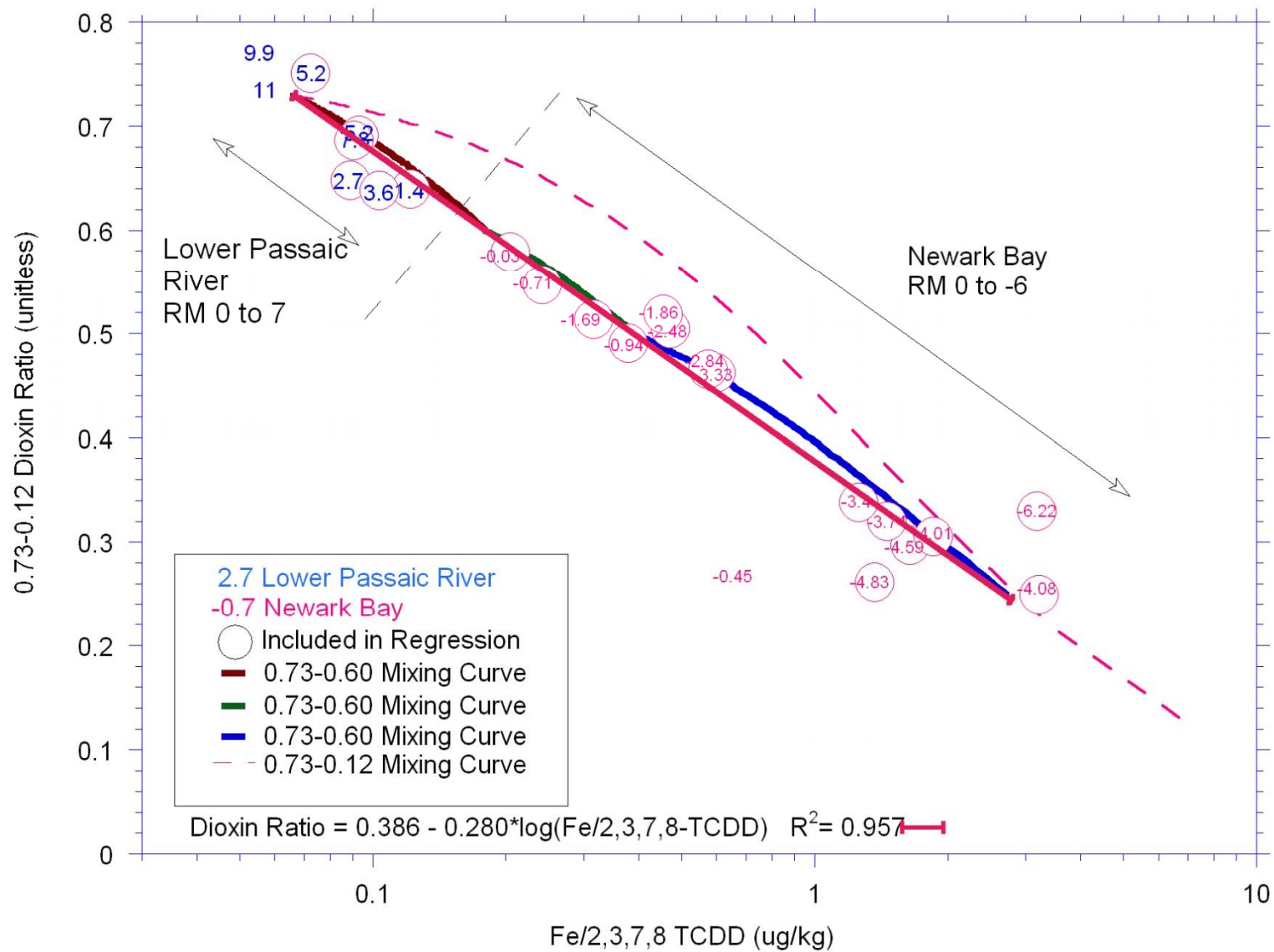
September 2008



Example Mixing Curve With
Reciprocal Concentration
Lower Passaic River Restoration Project

Figure 6-13

September 2008

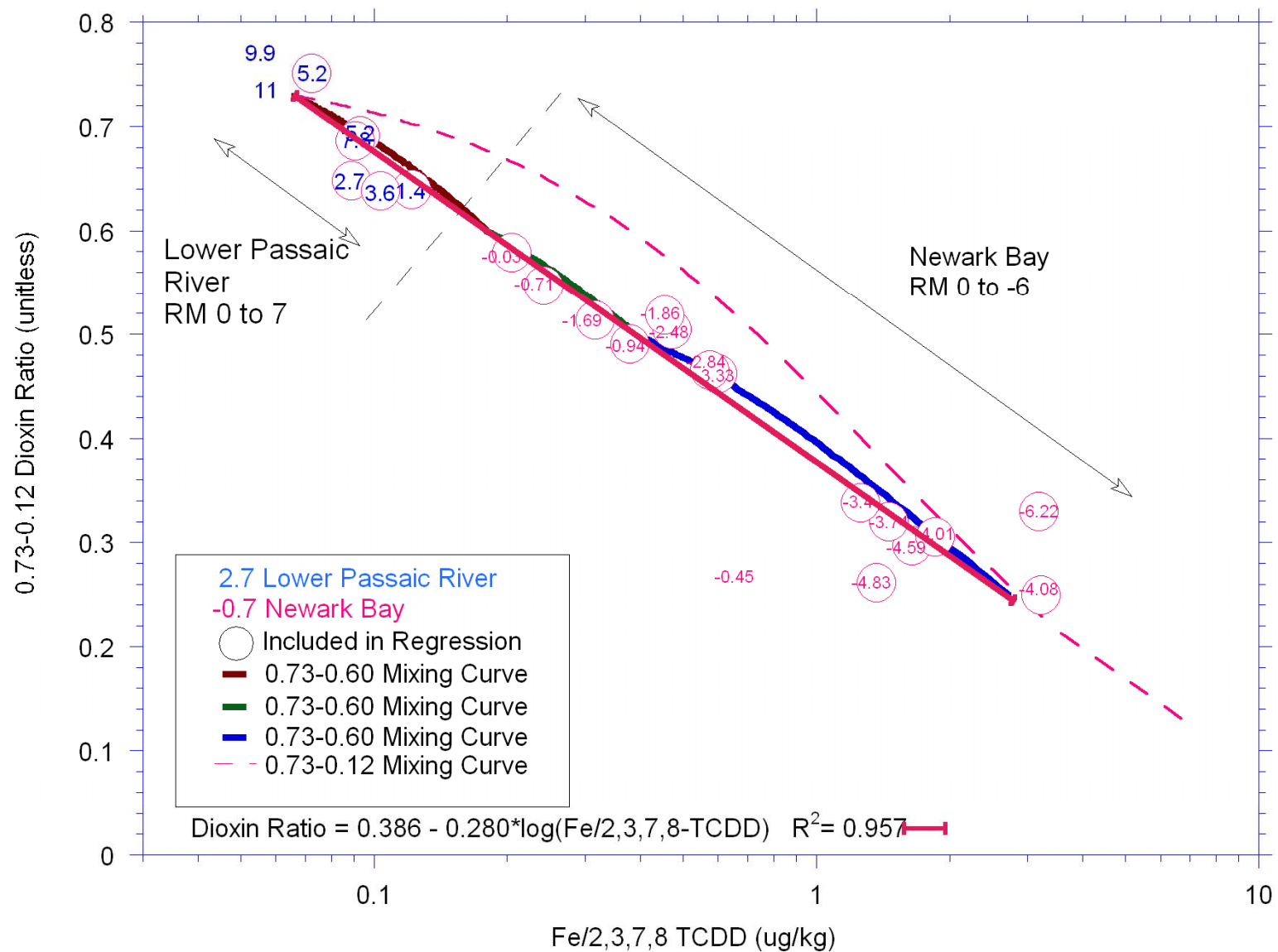


Dioxin Results and Two-End-Member Mixing Curve for the Lower Passaic River

Lower Passaic River Restoration Project

Figure 6-14

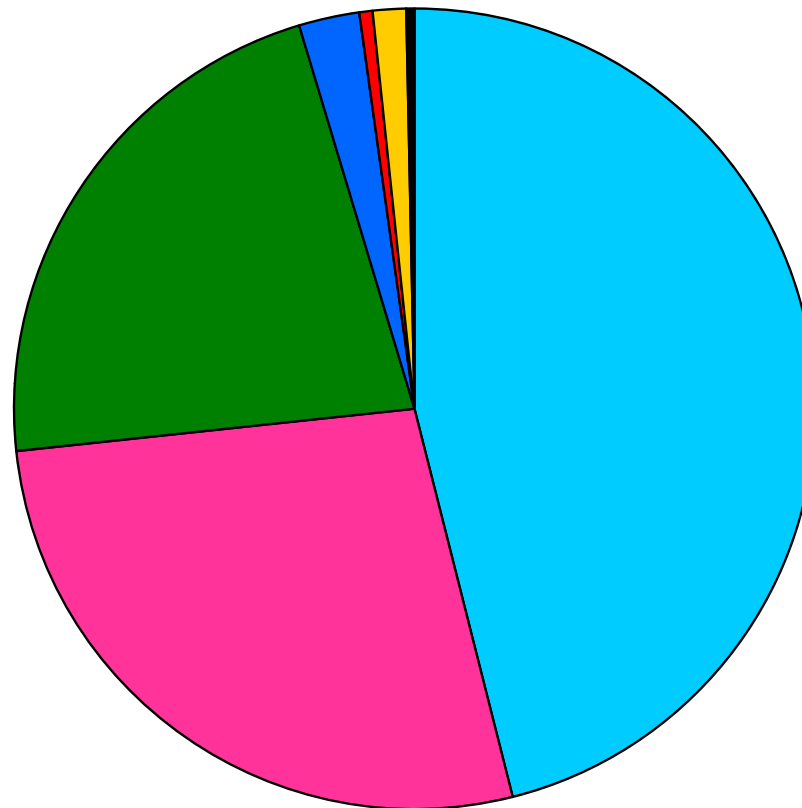
September 2008



**Dioxin Results and Multiple Mixing Curves for
the Lower Passaic River and Newark Bay**
Lower Passaic River Restoration Project

Figure 6-15

September 2008



Legend

- Upper Passaic River
- Saddle River
- Second River/SWO
- Third River
- CSO
- Newark Bay Northern End
- Resuspension (Lower Passaic River)

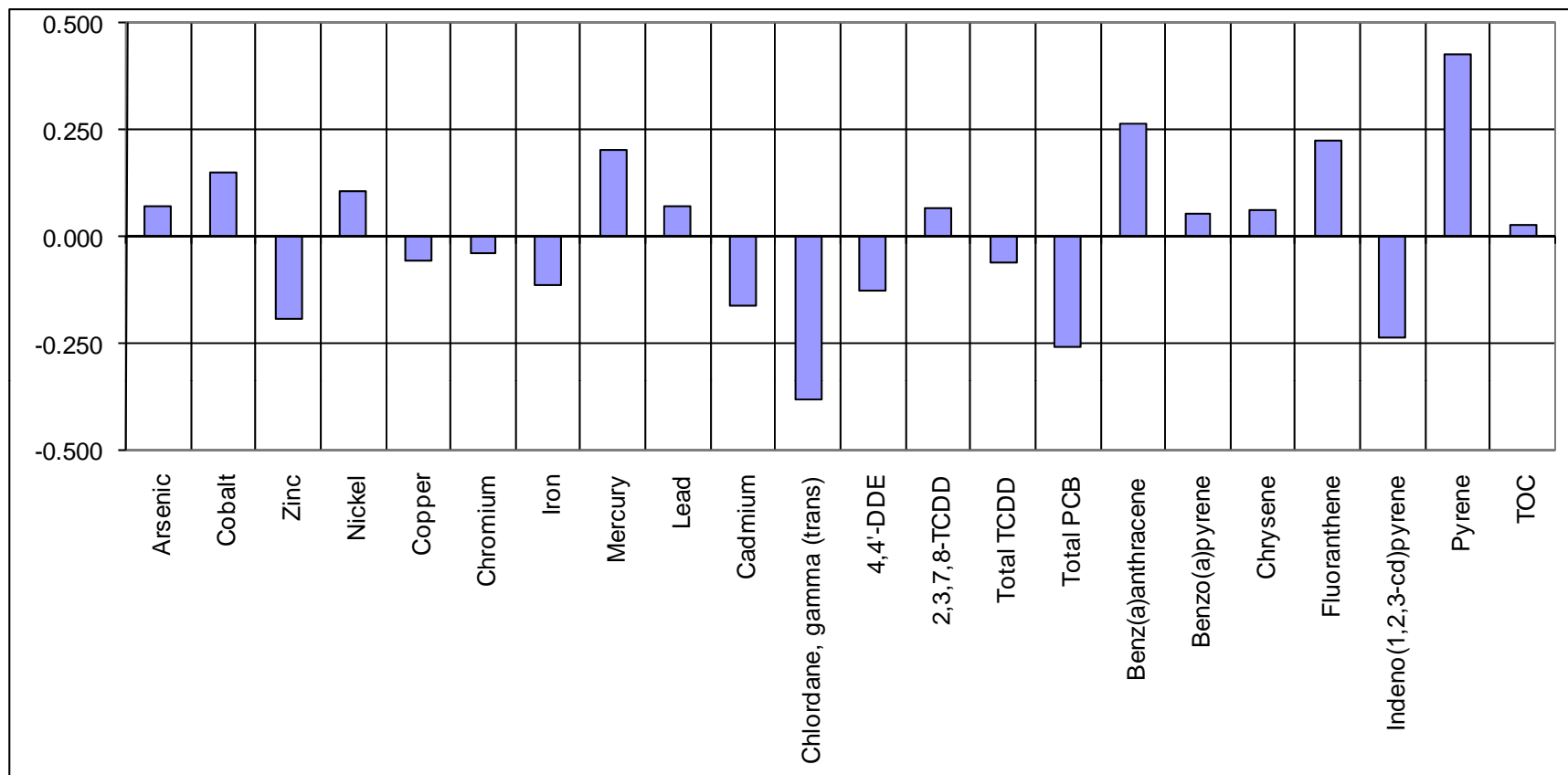


Solid Contribution to the Lower Passaic River for Non Iron-Normalized Scenario

Lower Passaic River Restoration Project

Figure 19-1

September 2008

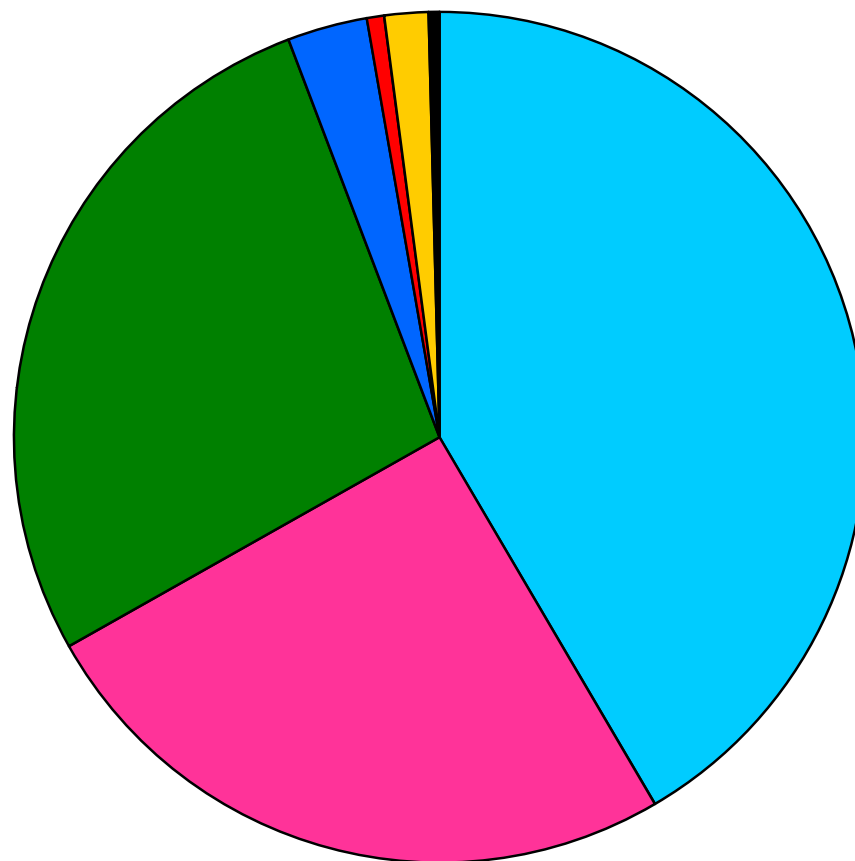


Percent fit to the Lower Passaic River for Non Iron-Normalized Scenario

Lower Passaic River Restoration Project

Figure 19-2

September 2008



Legend

- Upper Passaic River
- Saddle River
- Second River/SWO
- Third River
- CSO
- Newark Bay Northern End
- Resuspension (Lower Passaic River)

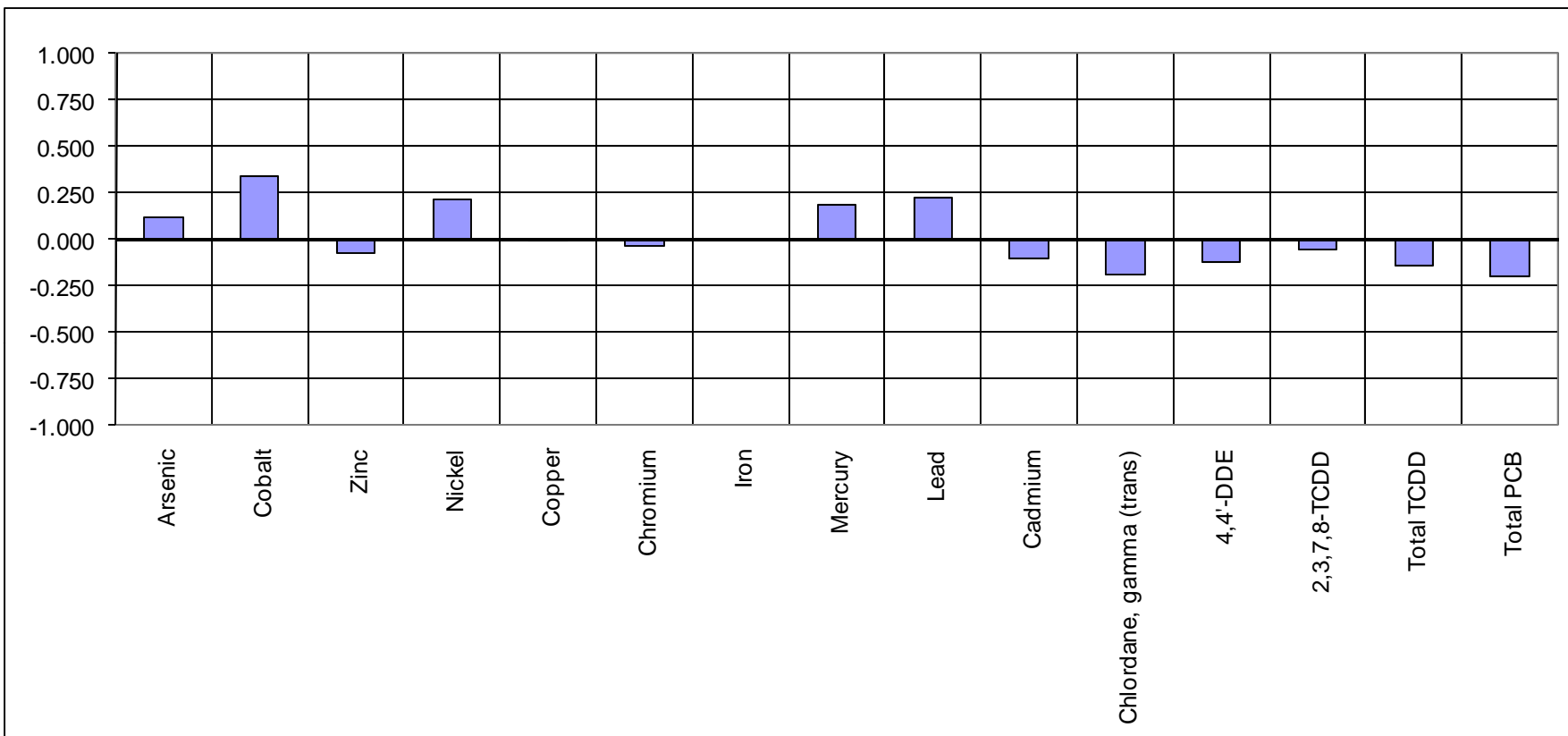


Solid Contribution to the Lower Passaic River for Iron-Normalized

Lower Passaic River Restoration Project

Figure 19-3

September 2008

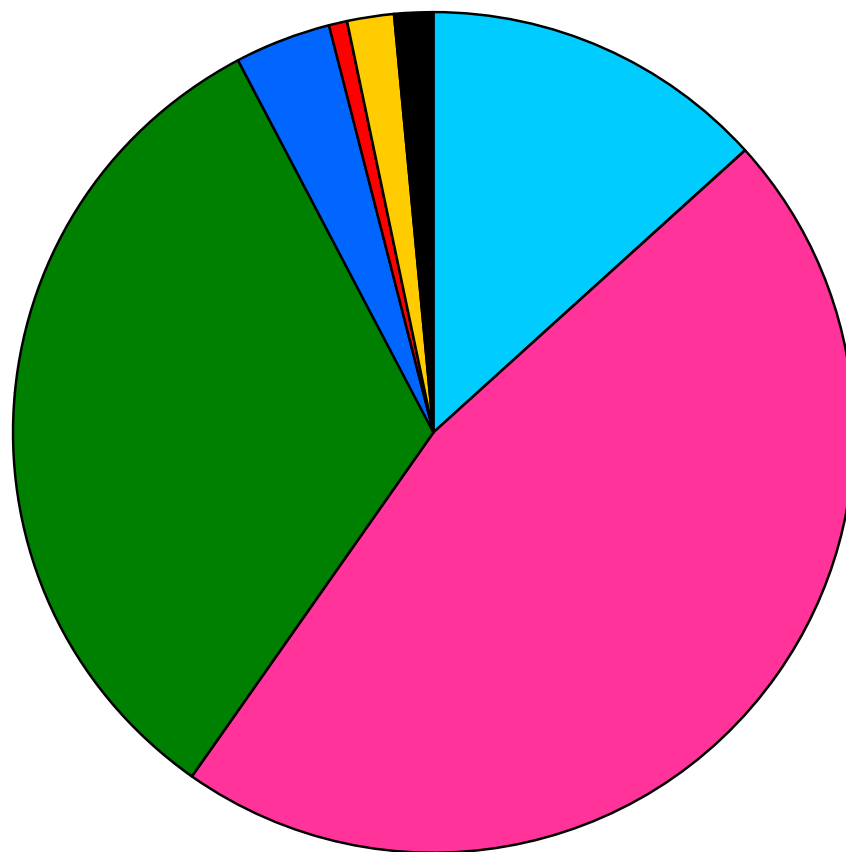


Percent fit to the Lower Passaic River for Iron-Normalized Scenario

Lower Passaic River Restoration Project

Figure 19-4

September 2008



Legend

- Upper Passaic River
- Saddle River
- Second River/SWO
- Third River
- CSO
- Newark Bay Northern End
- Resuspension (Lower Passaic River)

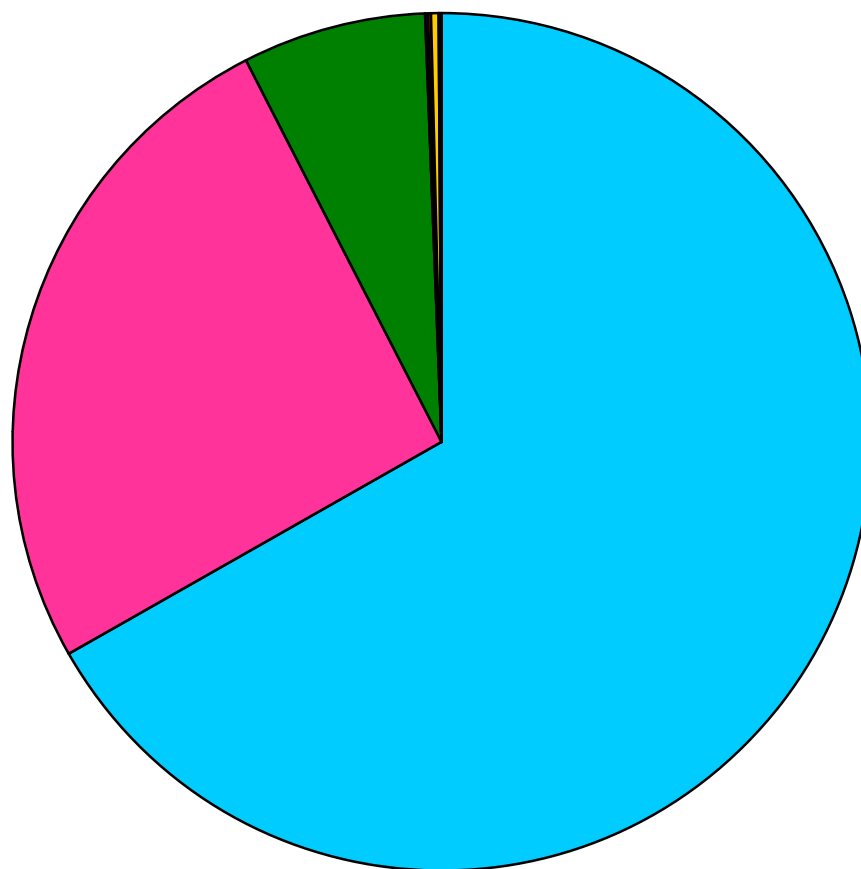


Solid Contribution to the Lower Passaic River for the Length-Weighted Average Scenario

Lower Passaic River Restoration Project

Figure 19-5

September 2008



Legend

- Upper Passaic River
- Saddle River
- Second River/SWO
- Third River
- CSO
- Newark Bay Northern End
- Resuspension (Lower Passaic River)

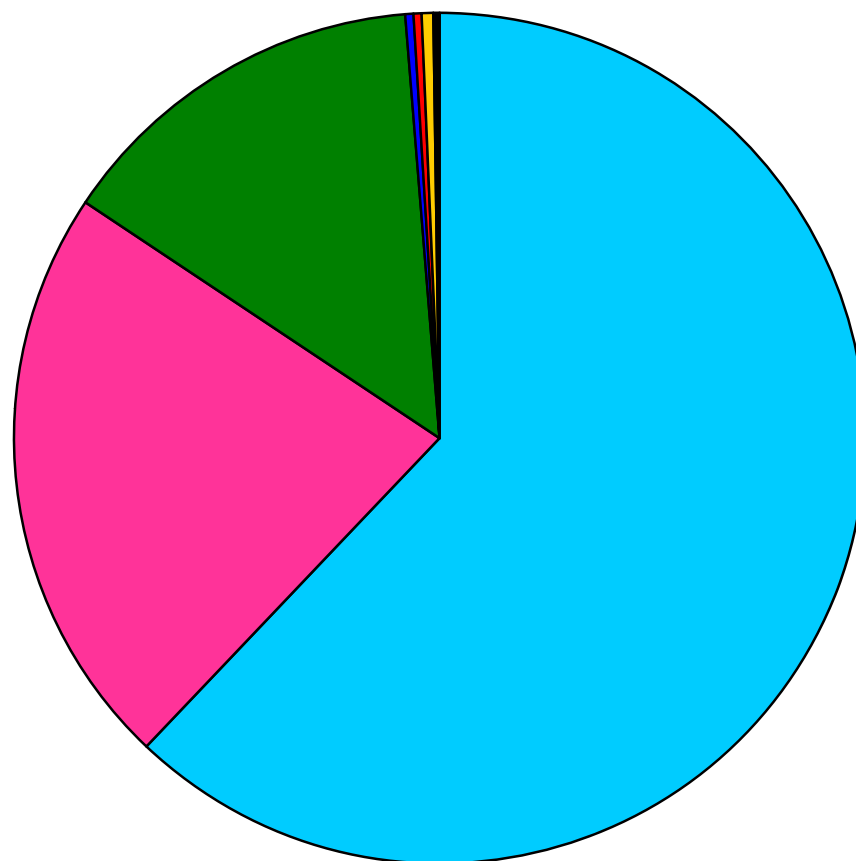


Mercury Contribution to the Lower Passaic River for Non Iron-normalized Scenario

Lower Passaic River Restoration Project

Figure 19-6

September 2008



Legend

- Upper Passaic River
- Saddle River
- Second River/SWO
- Third River
- CSO
- Newark Bay Northern End
- Resuspension (Lower Passaic River)



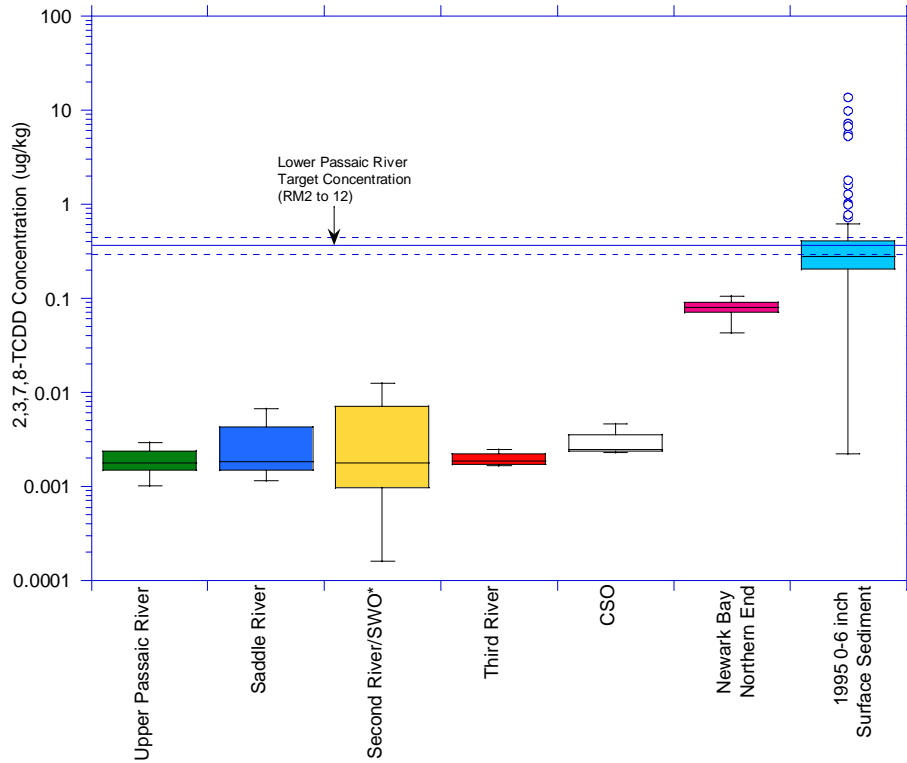
Mercury Contribution to the Lower Passaic River for Iron-normalized Scenario

Lower Passaic River Restoration Project

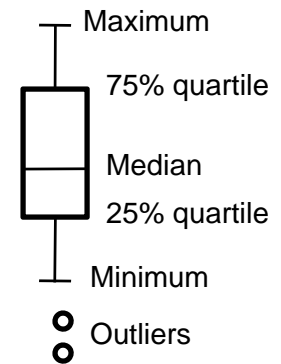
Figure 19-7

September 2008

Source Concentration of 2,3,7,8-TCDD



Legend

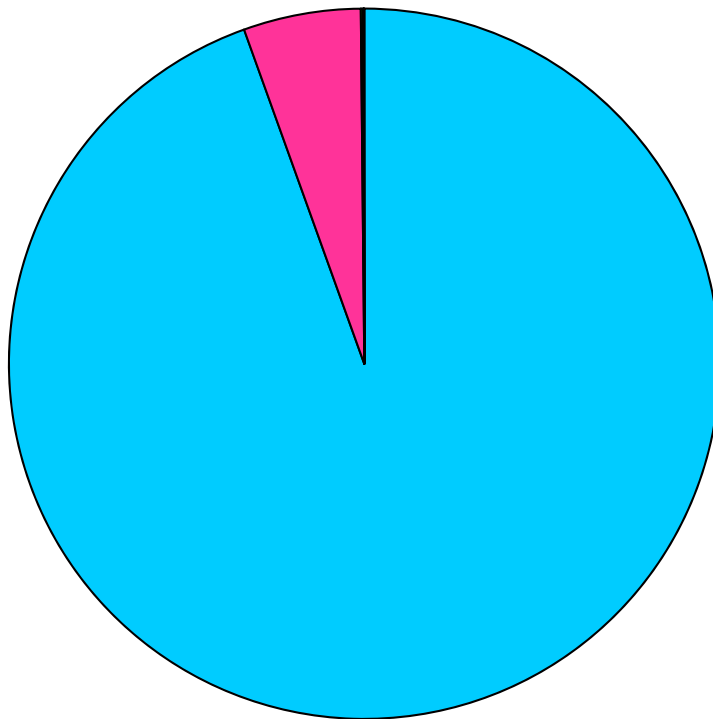


Mean \pm 2 standard errors

Notes

*: Second River Results are used to represent the SWOs. (see Chapter 18 for explanation)

Mass Balance for 2,3,7,8-TCDD



Legend



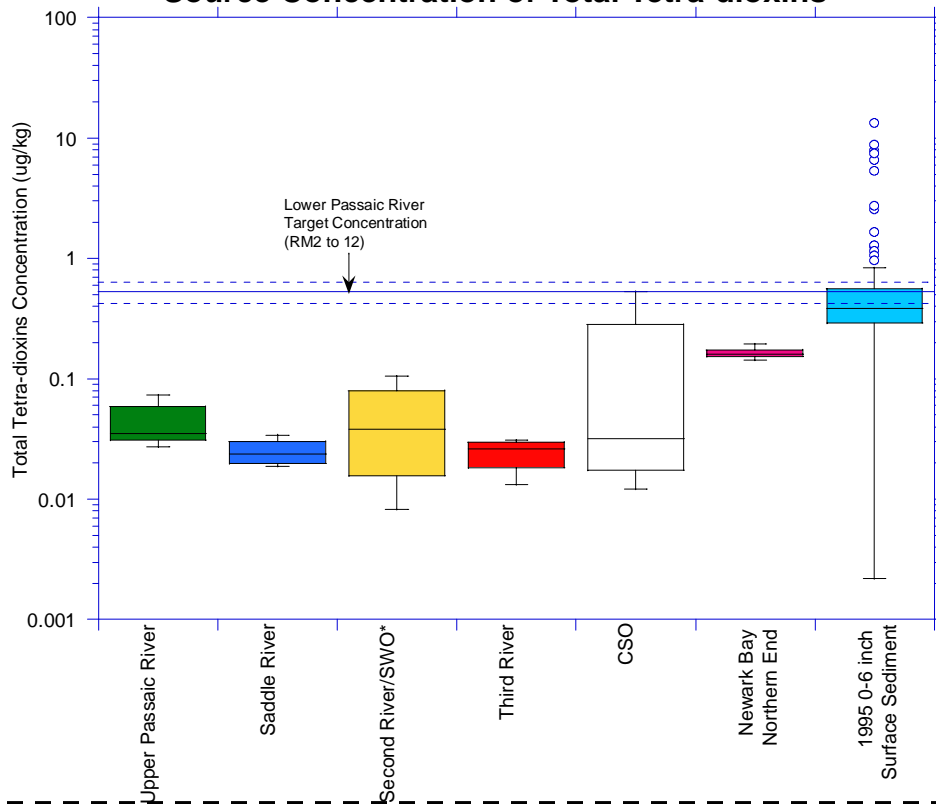
Source Concentration and Mass Balance for
2,3,7,8-TCDD

Lower Passaic River Restoration Project

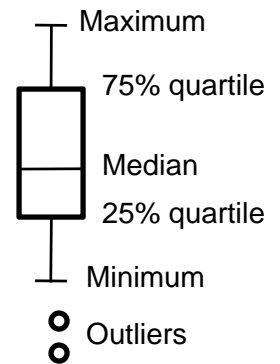
Figure 19-8

September 2008

Source Concentration of Total Tetra-dioxins



Legend

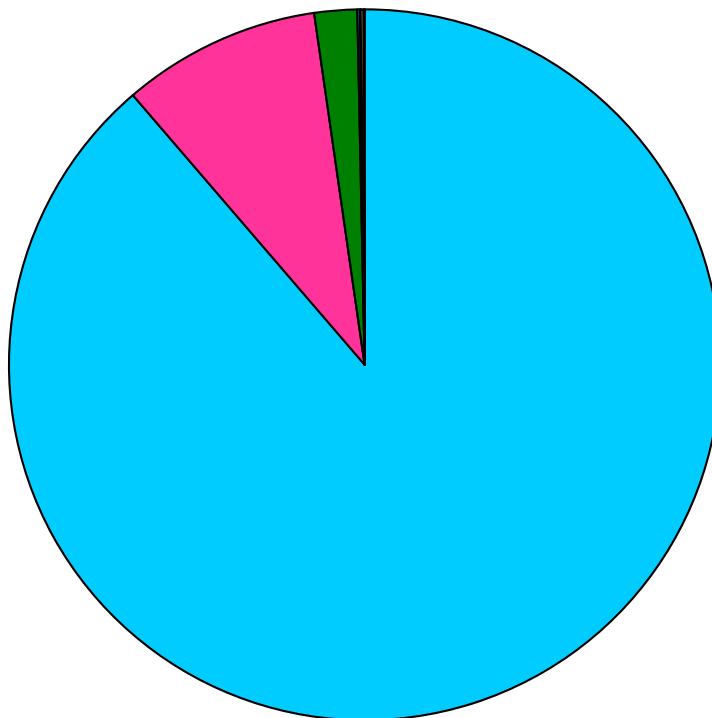


Mean \pm 2 standard errors

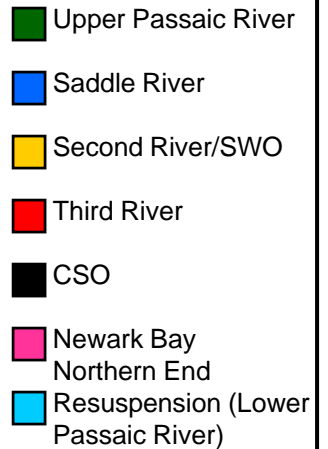
Notes

*: Second River Results are used to represent the SWOs. (see Chapter 18 for explanation)

Mass Balance for Total Tetra-dioxins



Legend

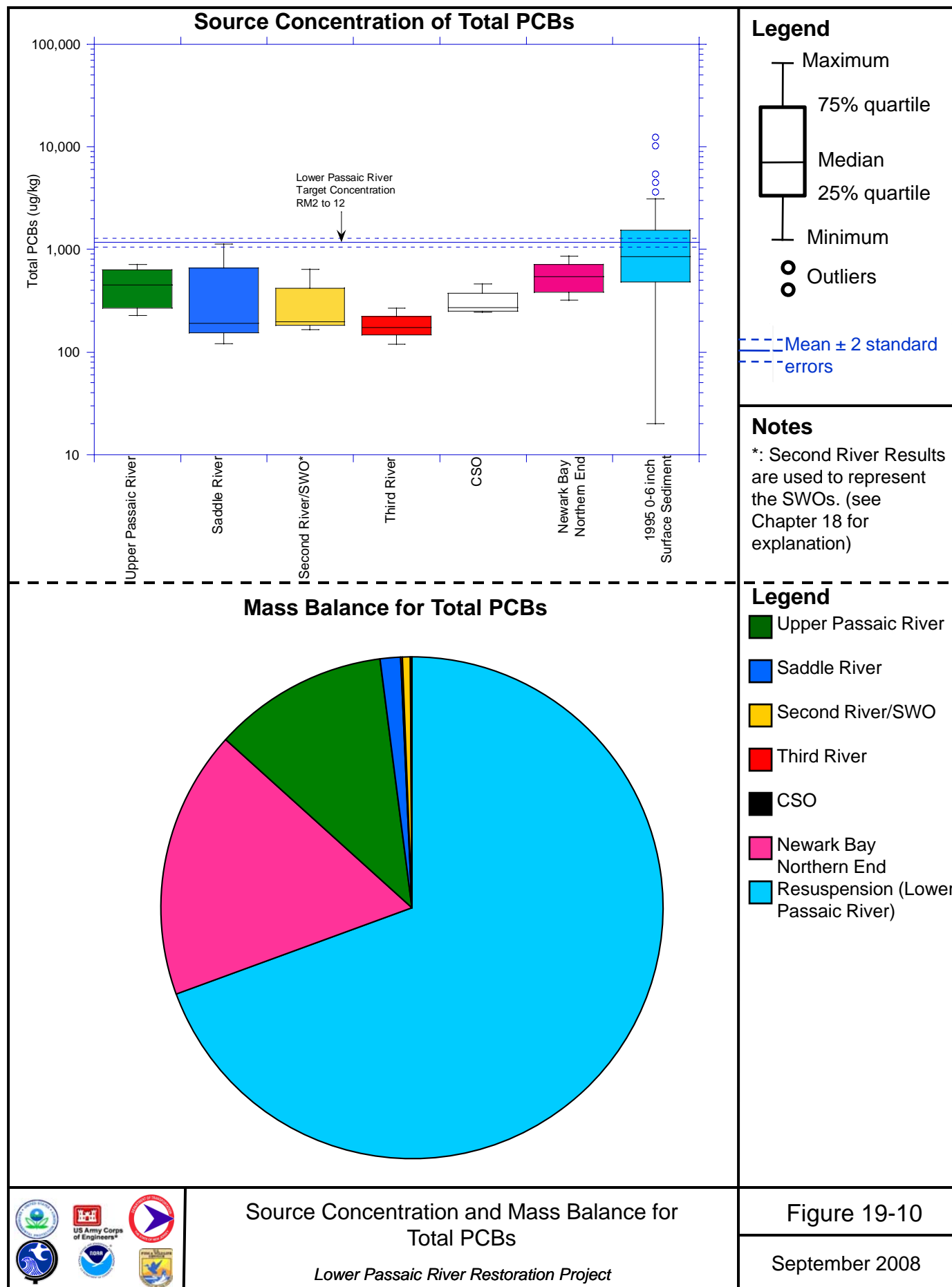


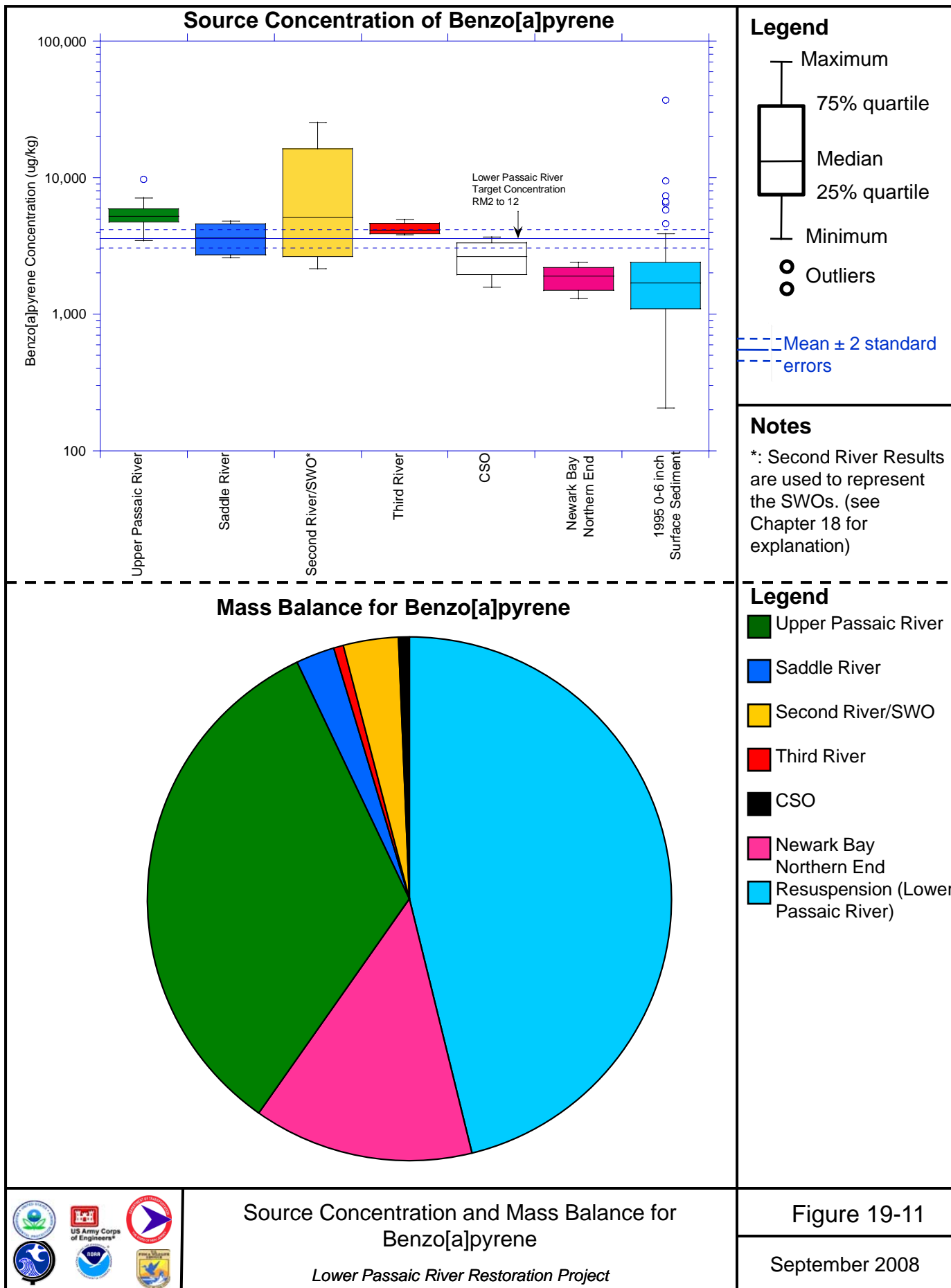
Source Concentration and Mass Balance for
Total Tetra-dioxins

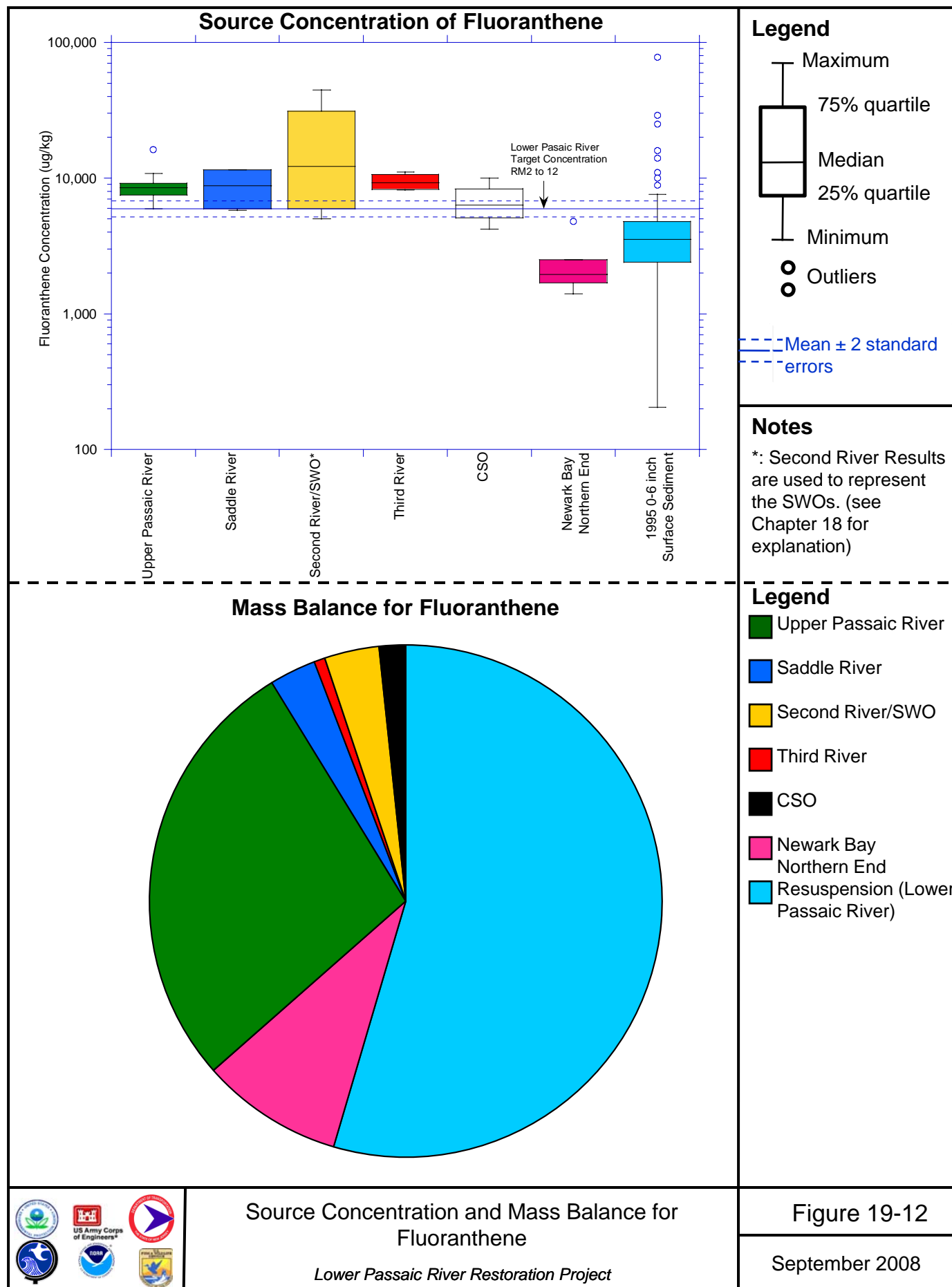
Lower Passaic River Restoration Project

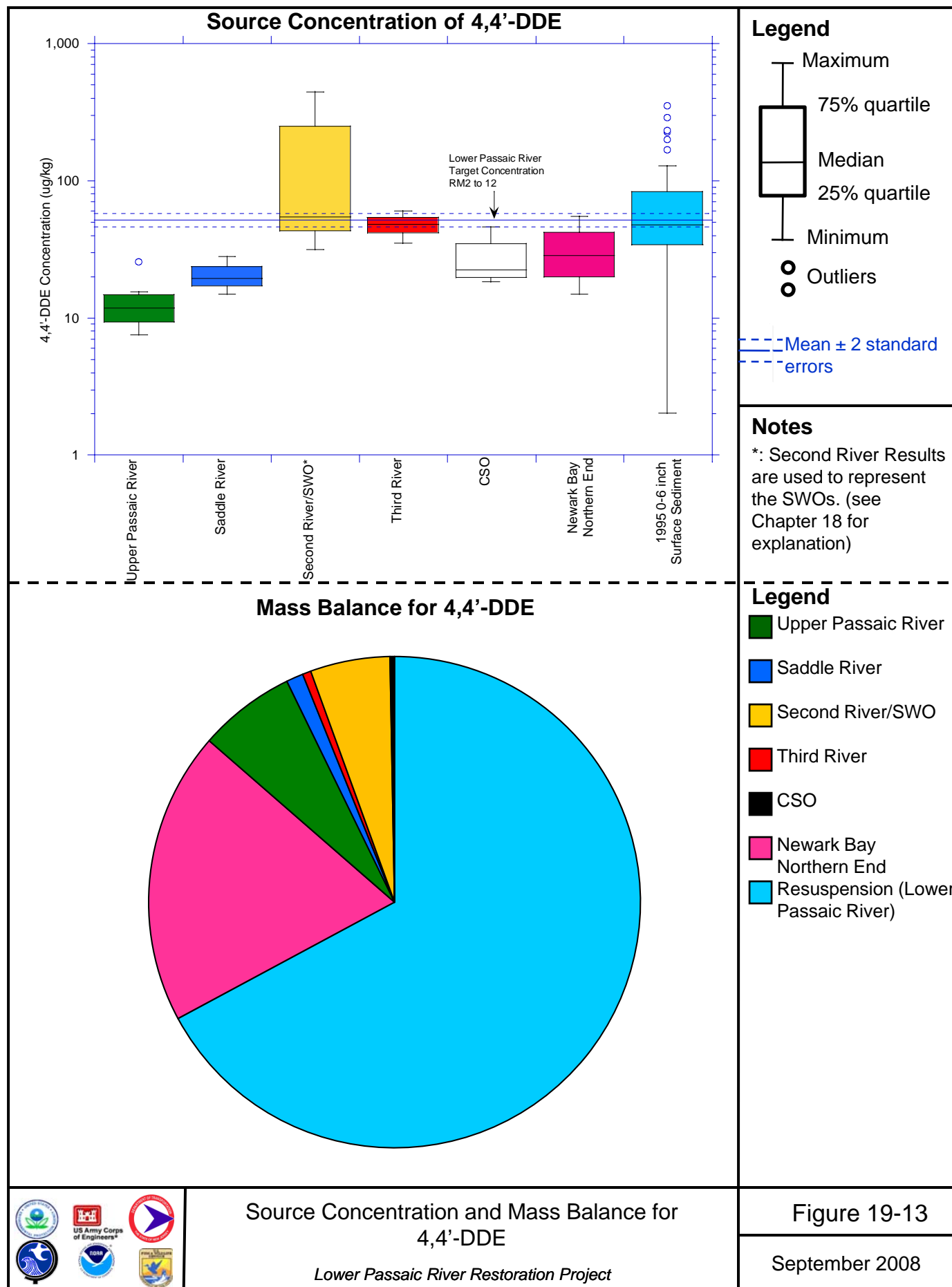
Figure 19-9

September 2008

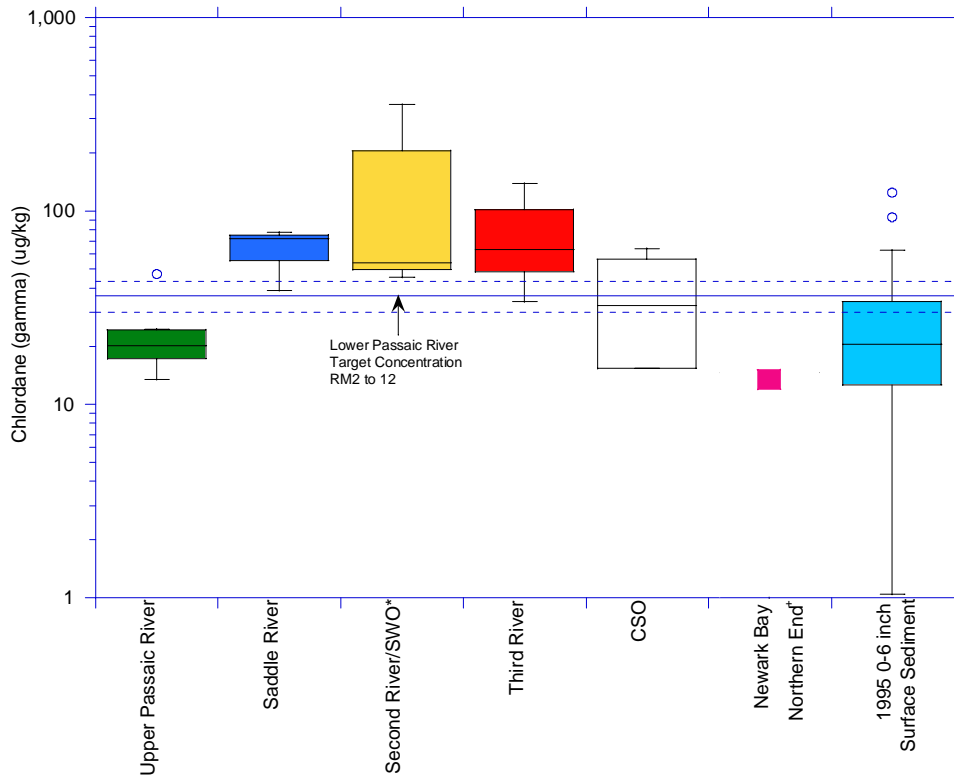




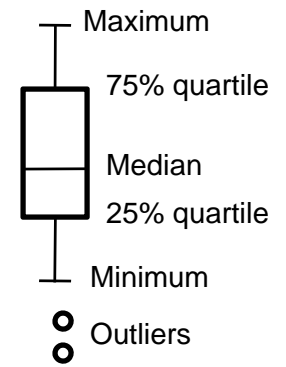




Source Concentration of Chlordane (gamma, trans)



Legend



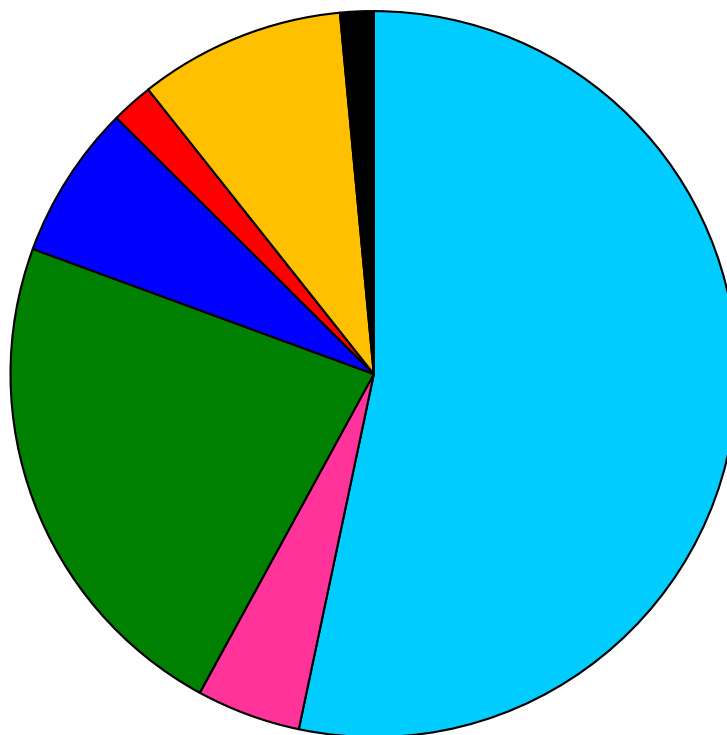
Mean \pm 2 standard errors

Notes

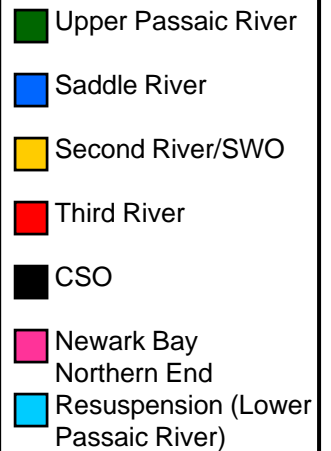
*Second River Results are used to represent the SWOs. (see Chapter 18 for explanation)

+Robinson (2002)

Mass Balance for Chlordane (gamma)



Legend

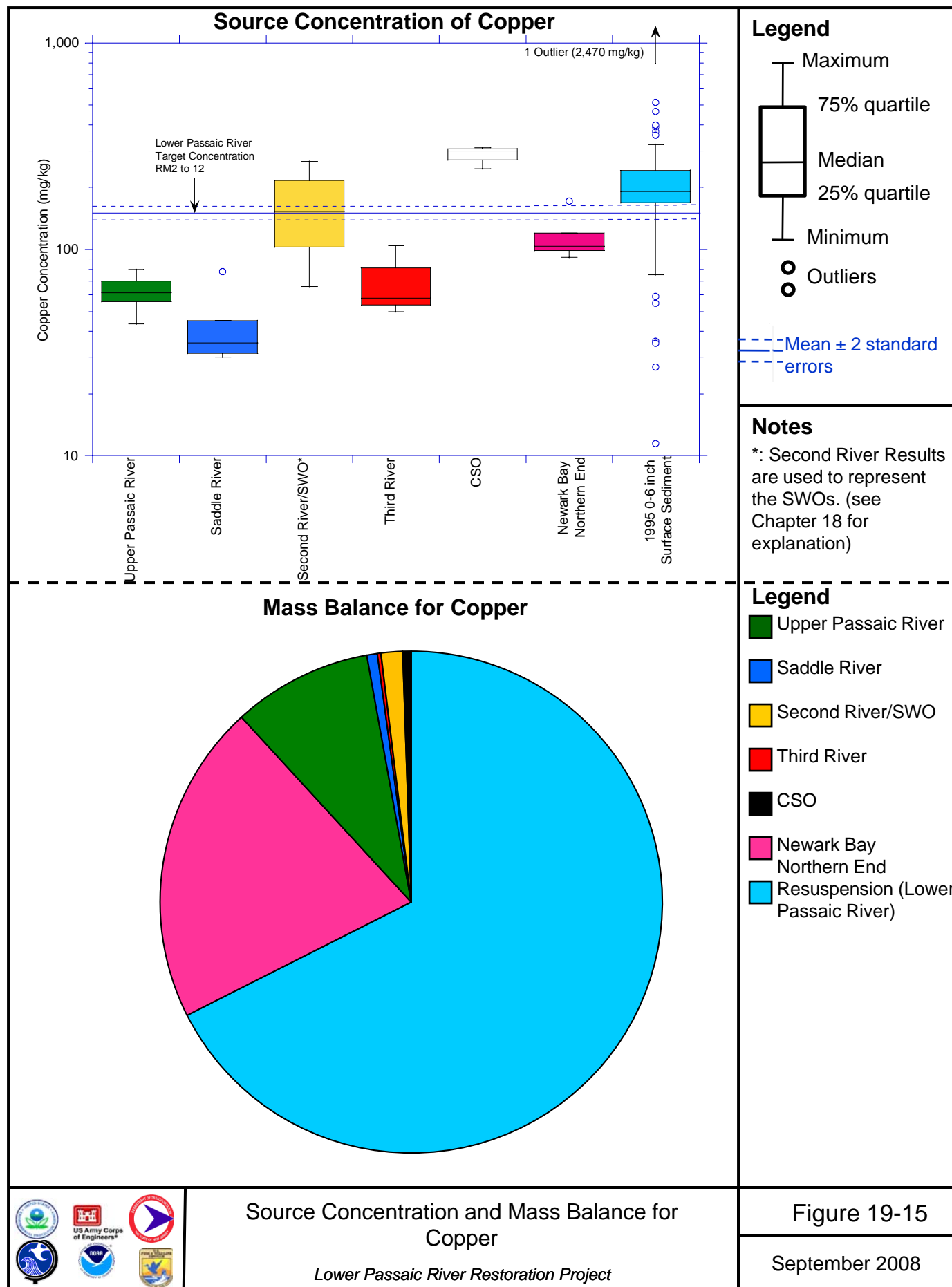


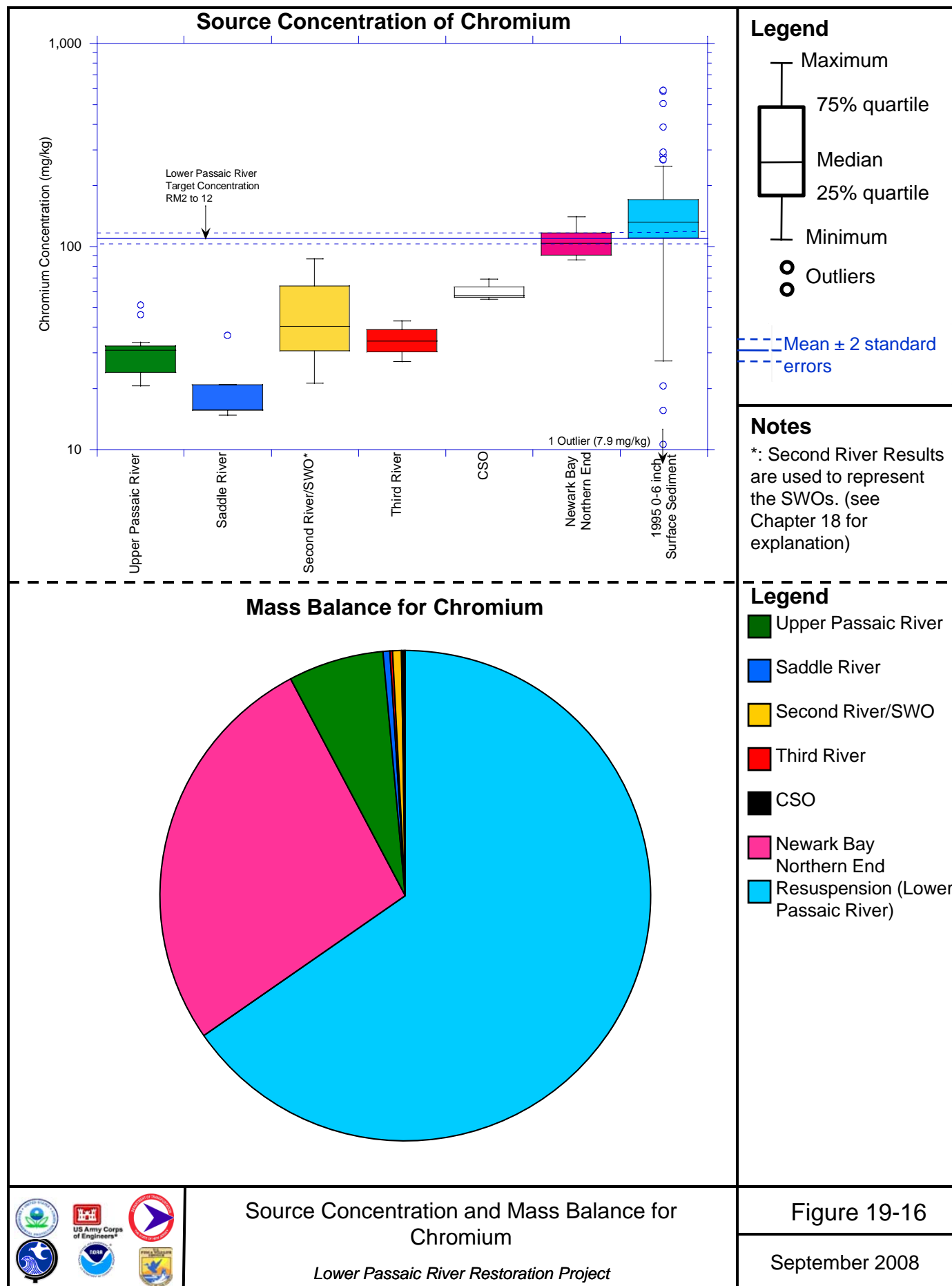
Source Concentration and Mass Balance for Chlordane (gamma)

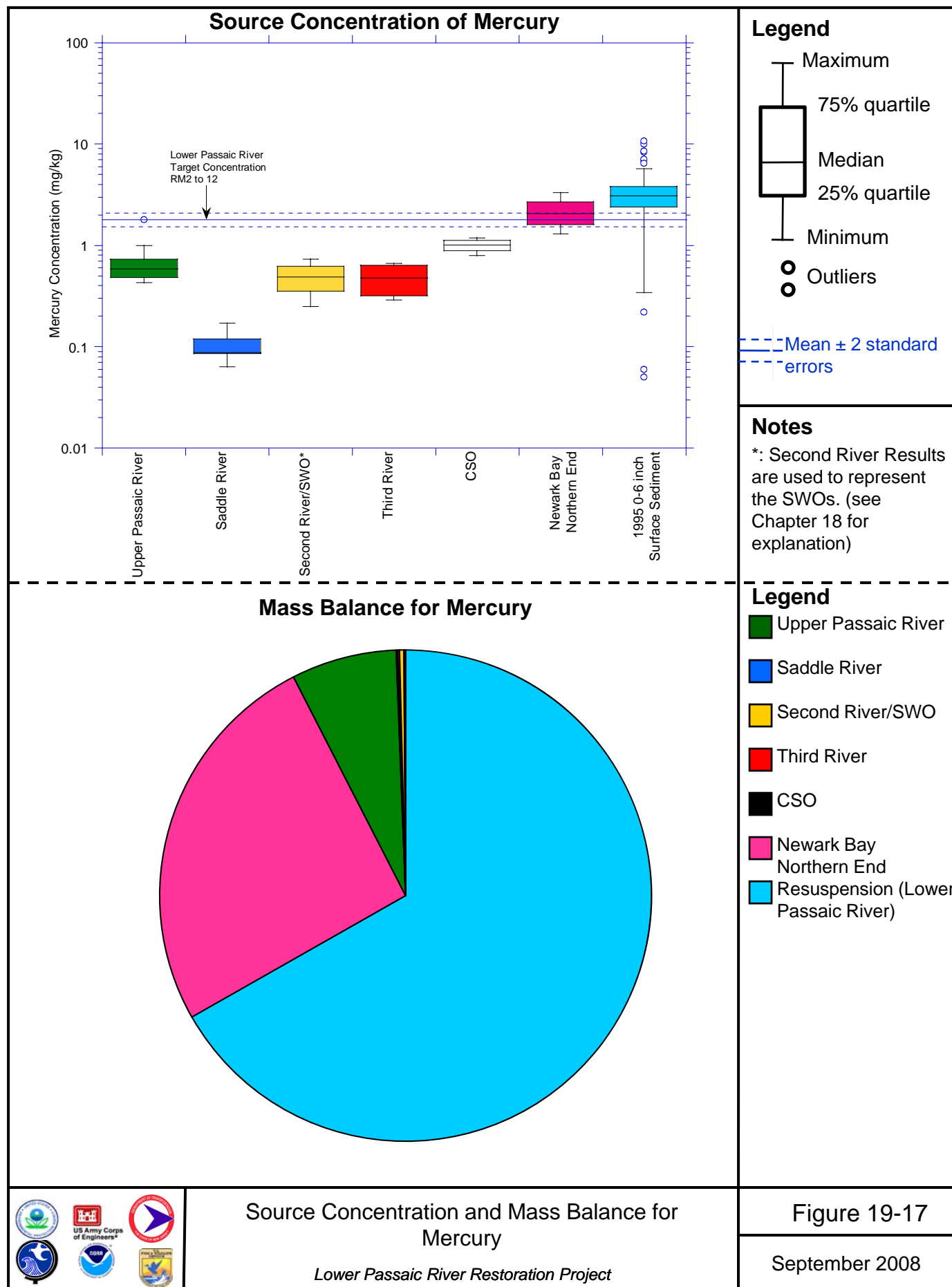
Lower Passaic River Restoration Project

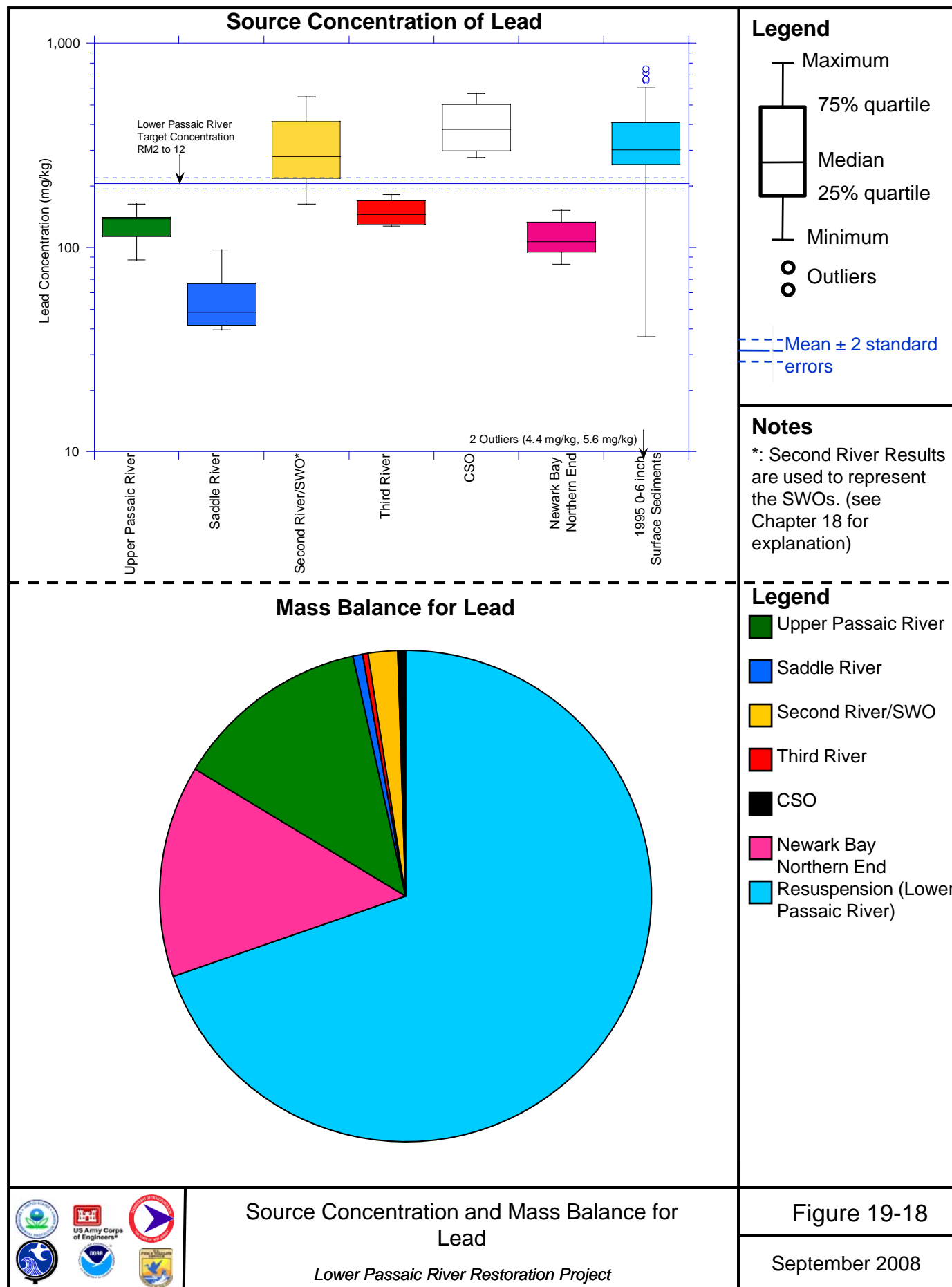
Figure 19-14

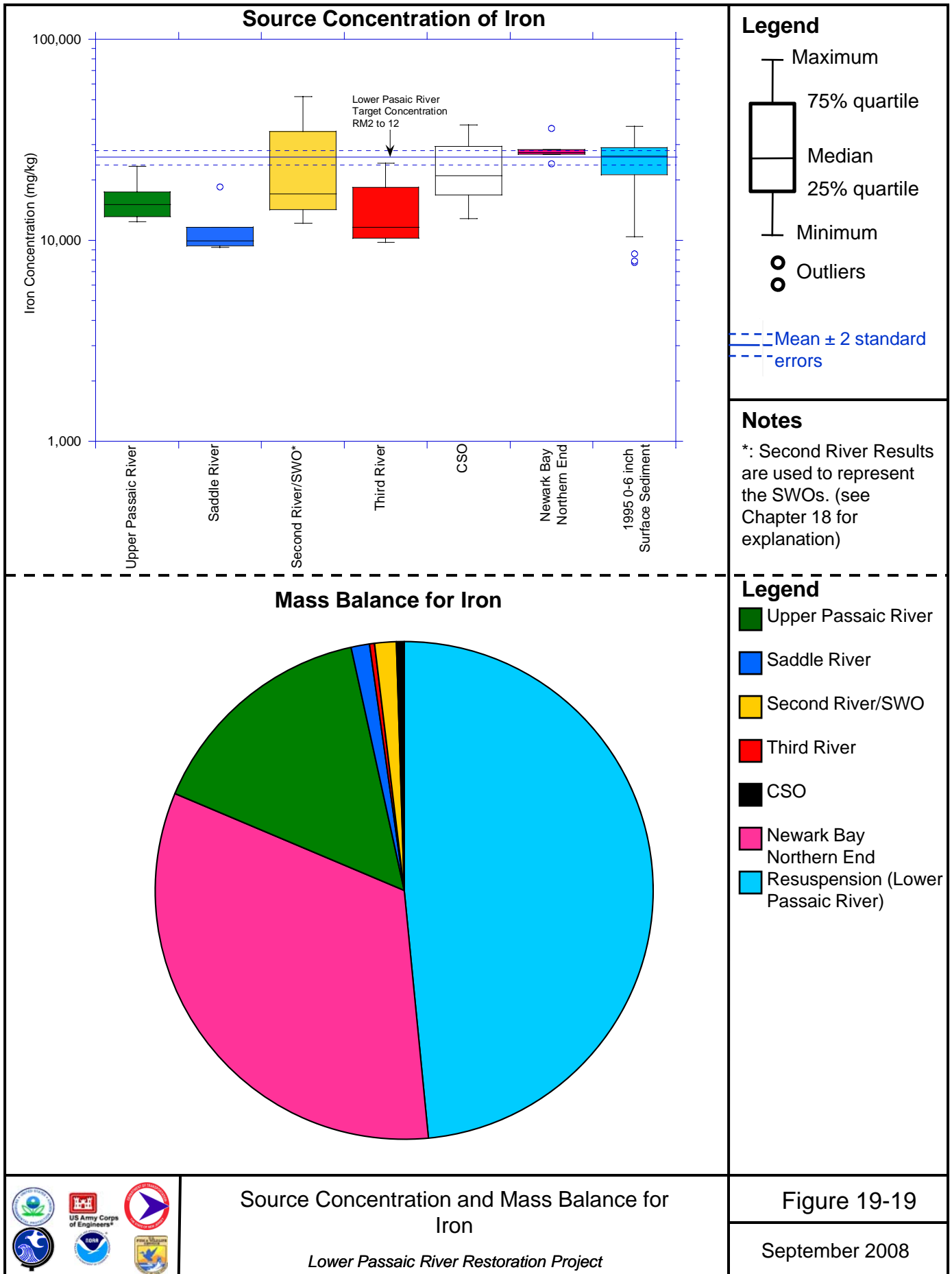
September 2008

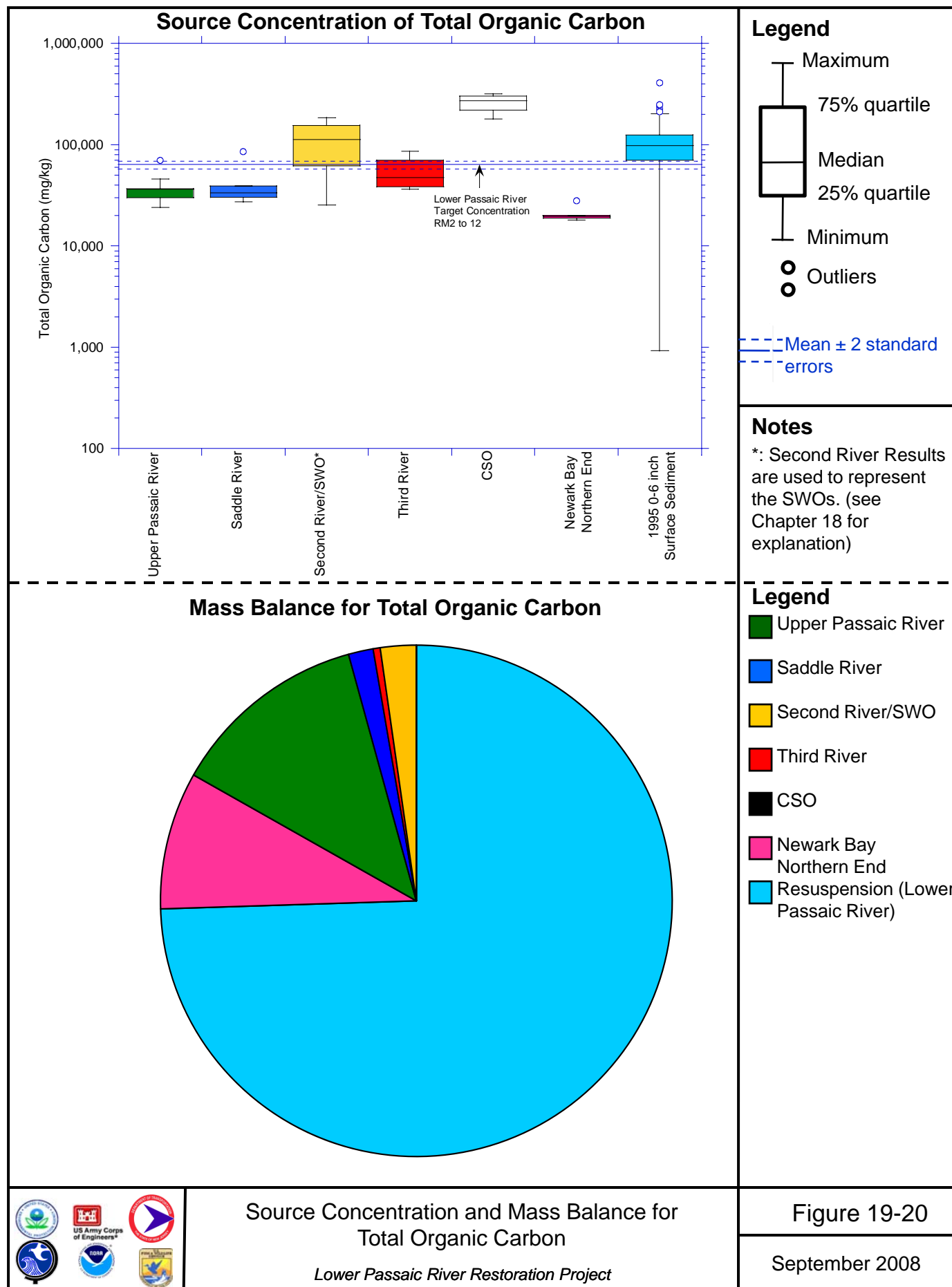


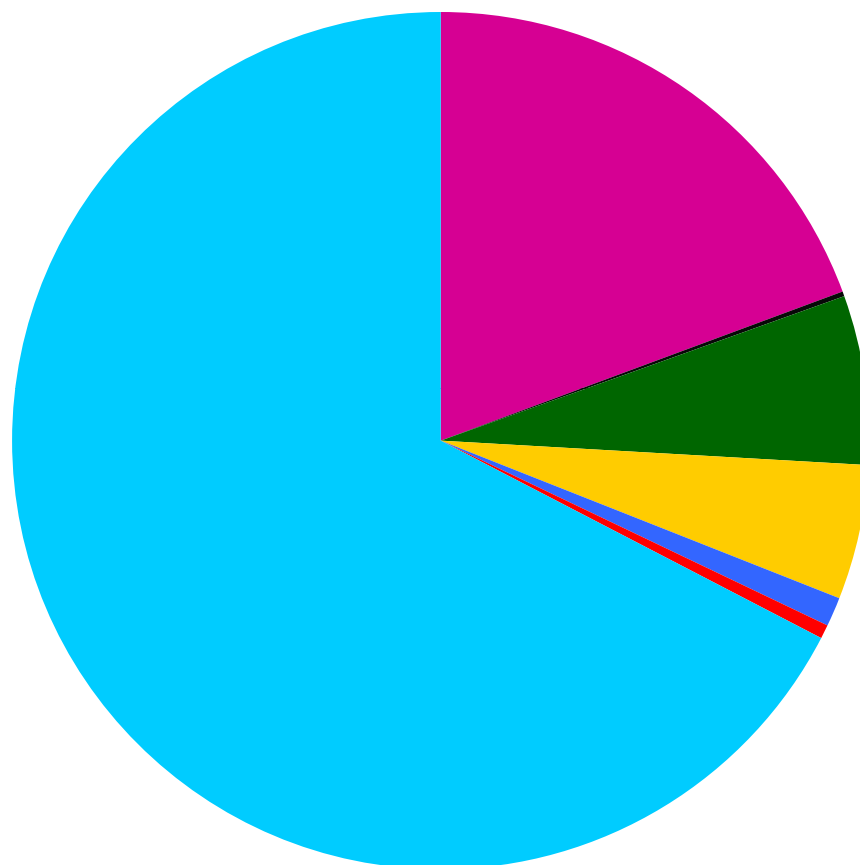












Legend

- Upper Passaic River
- Saddle River
- Second River/SWO
- Third River
- CSO
- Newark Bay Northern End
- Resuspension (Lower Passaic River)

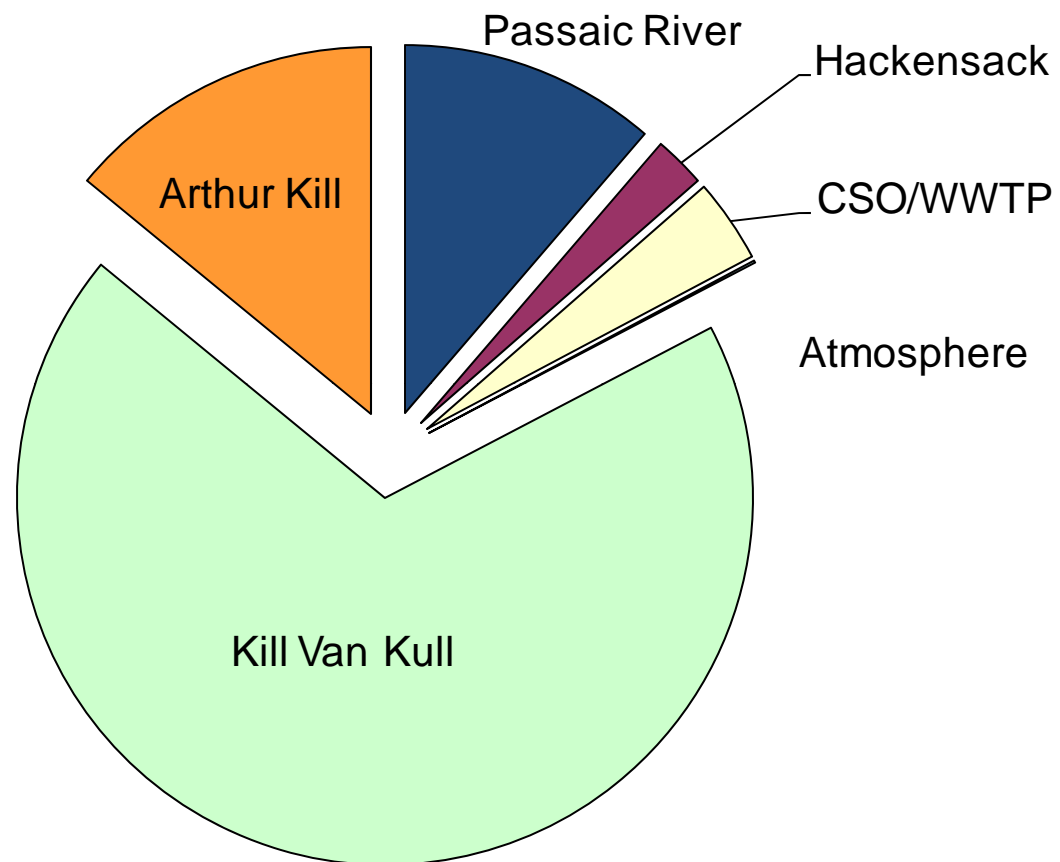


Dieldrin Contribution to the Lower Passaic River for Non Iron-Normalized Scenario

Lower Passaic River Restoration Project

Figure 19-21

September 2008

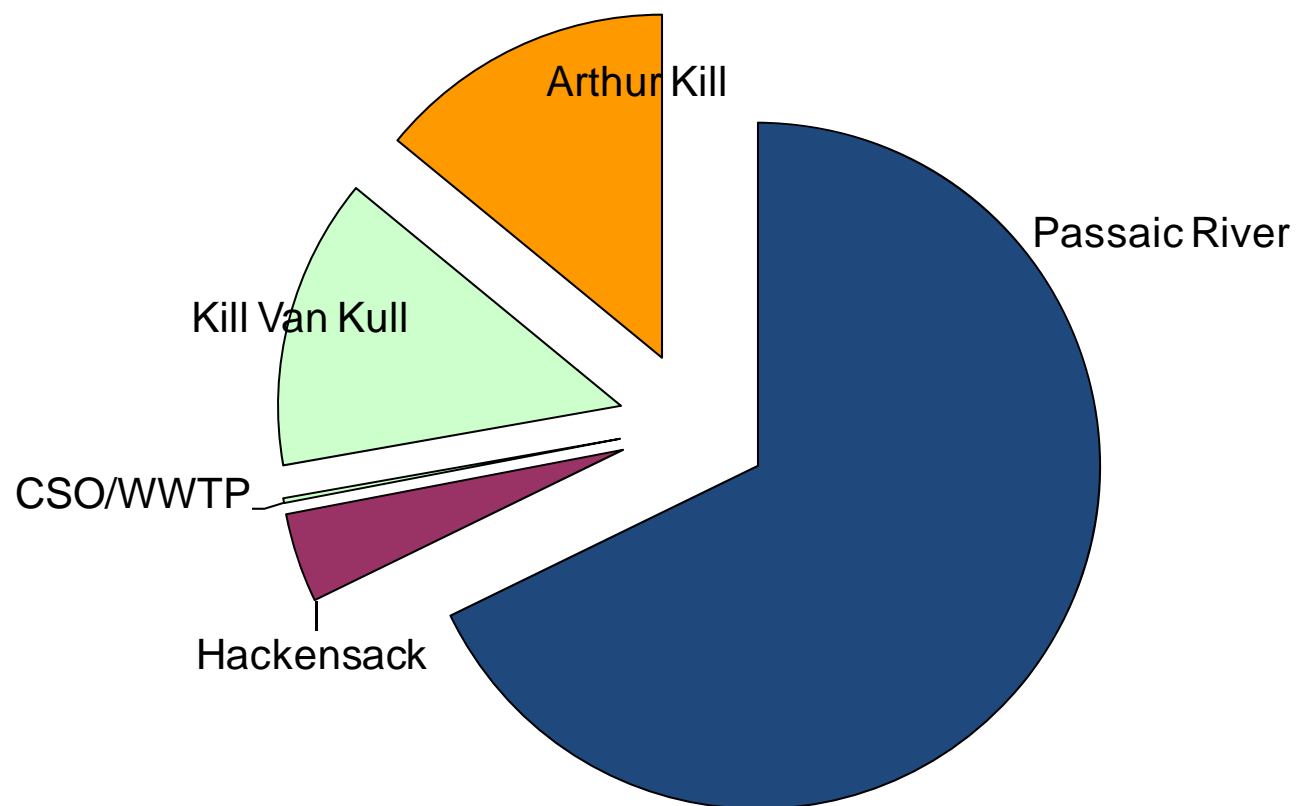


Solids Mass Balance for Newark Bay

Lower Passaic River Restoration Project

Figure 21-1

September 2008

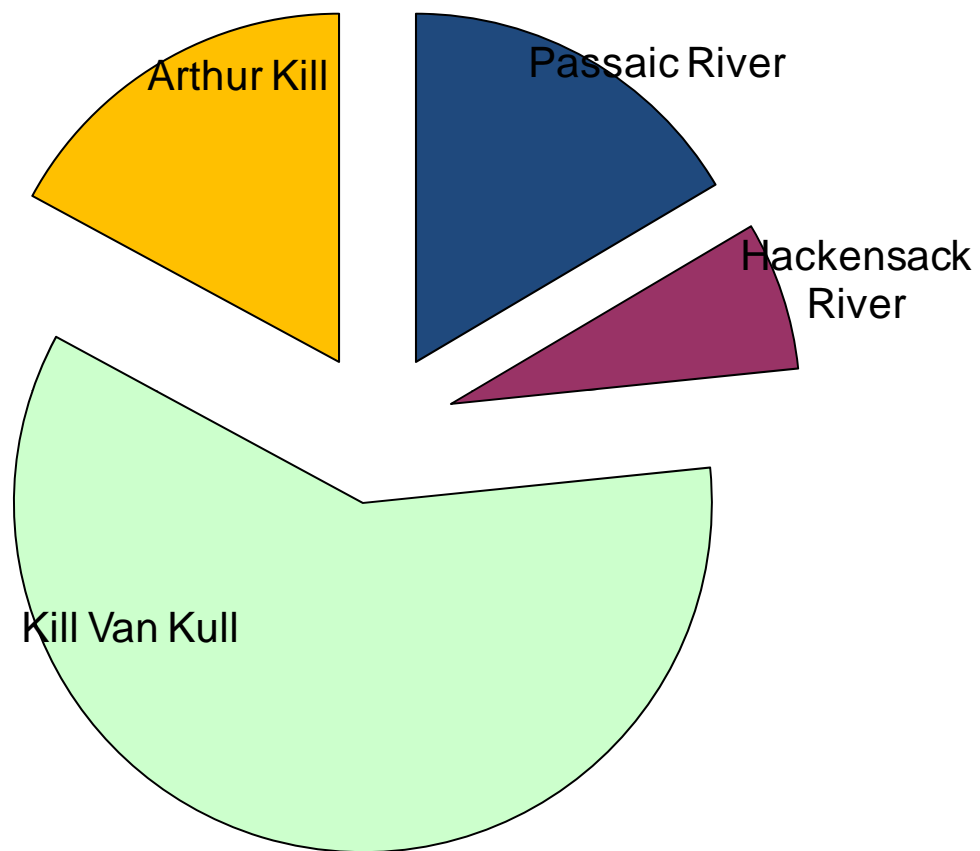


2,3,7,8-TCDD Mass Balance for Newark Bay

Lower Passaic River Restoration Project

Figure 21-2

September 2008

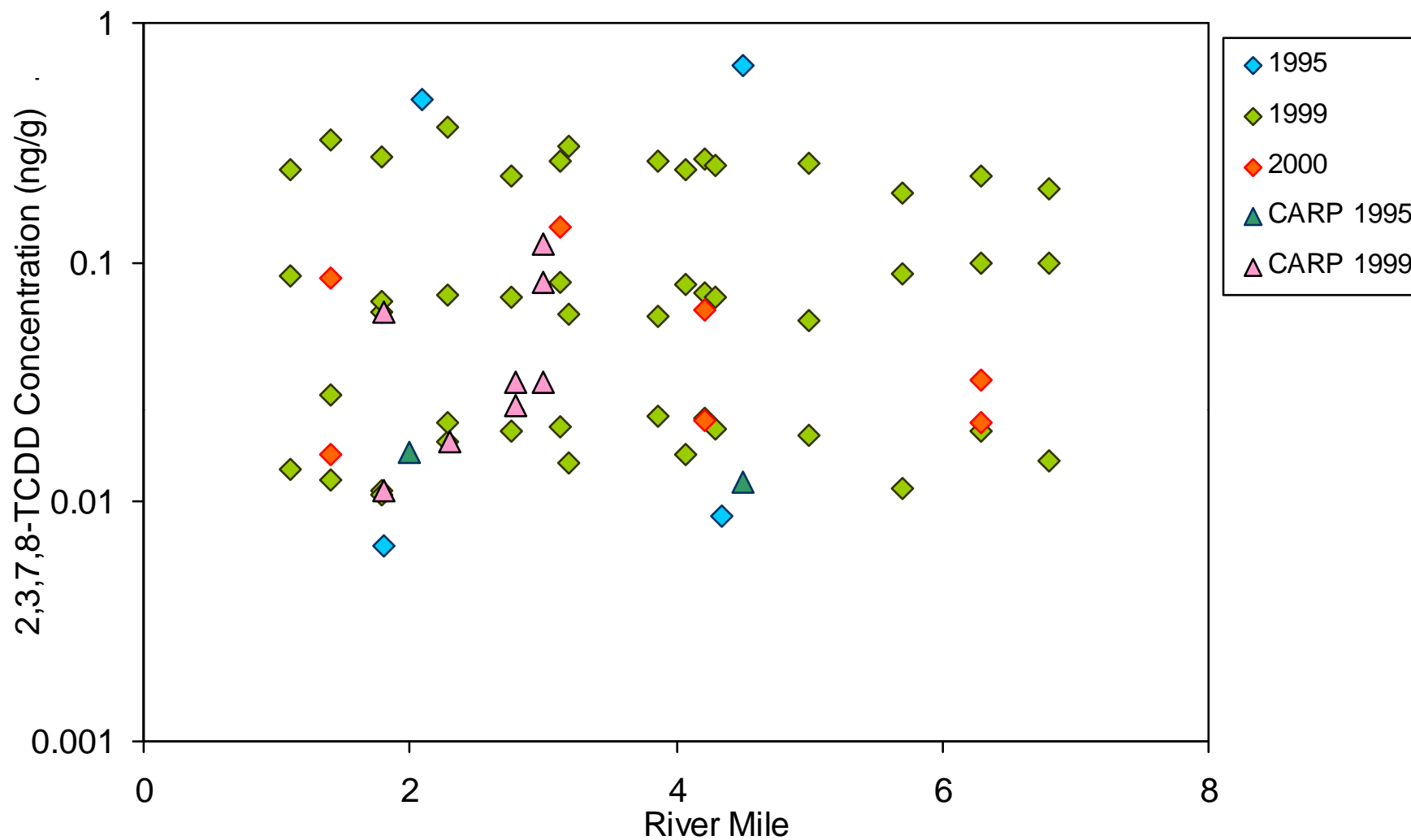


Mercury Mass Balance for Newark Bay

Lower Passaic River Restoration Project

Figure 21-3

September 2008

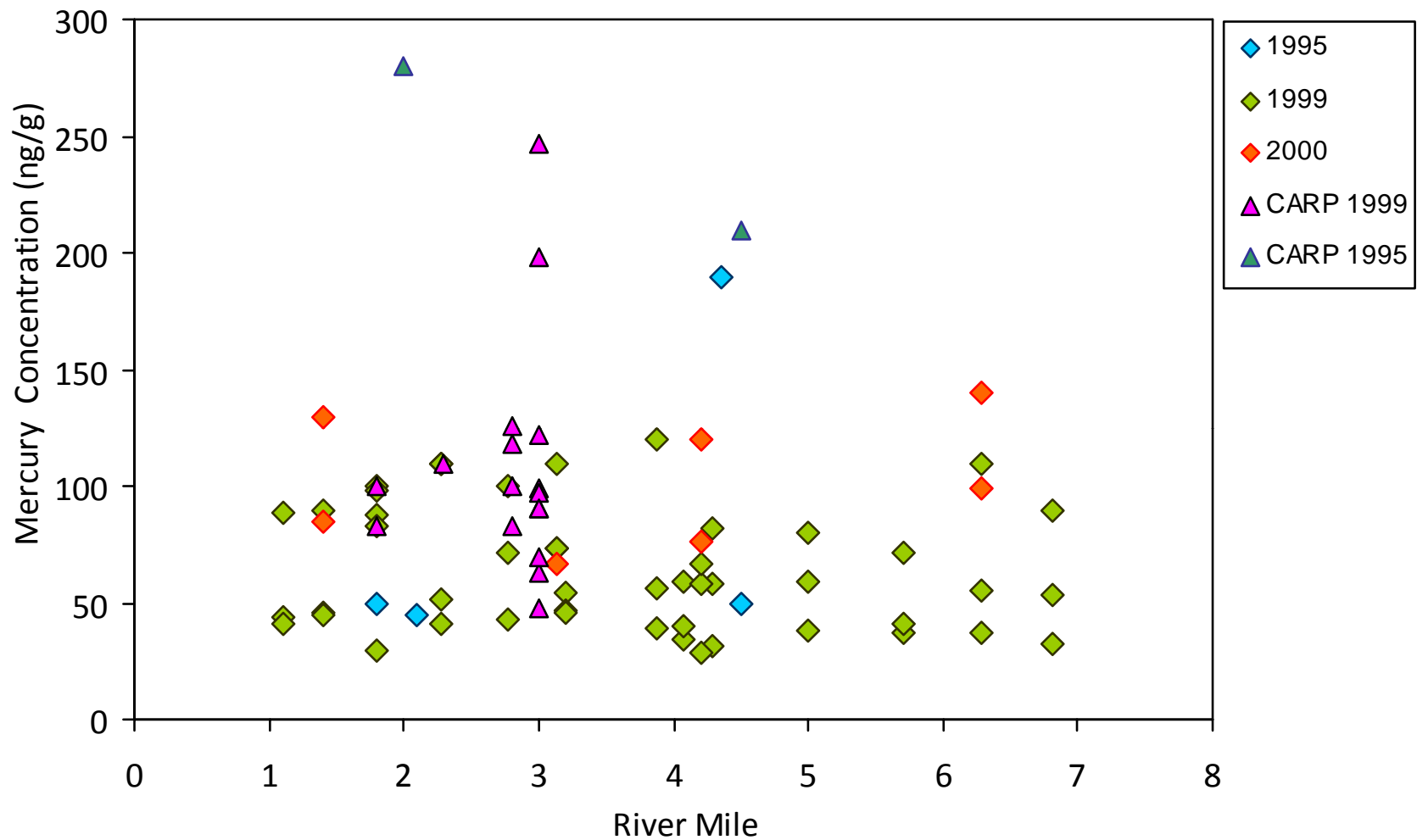


2,3,7,8-TCDD Concentration in Blue Crab Tissue vs. River Mile

Lower Passaic River Restoration Project

Figure 22-1a

September 2008

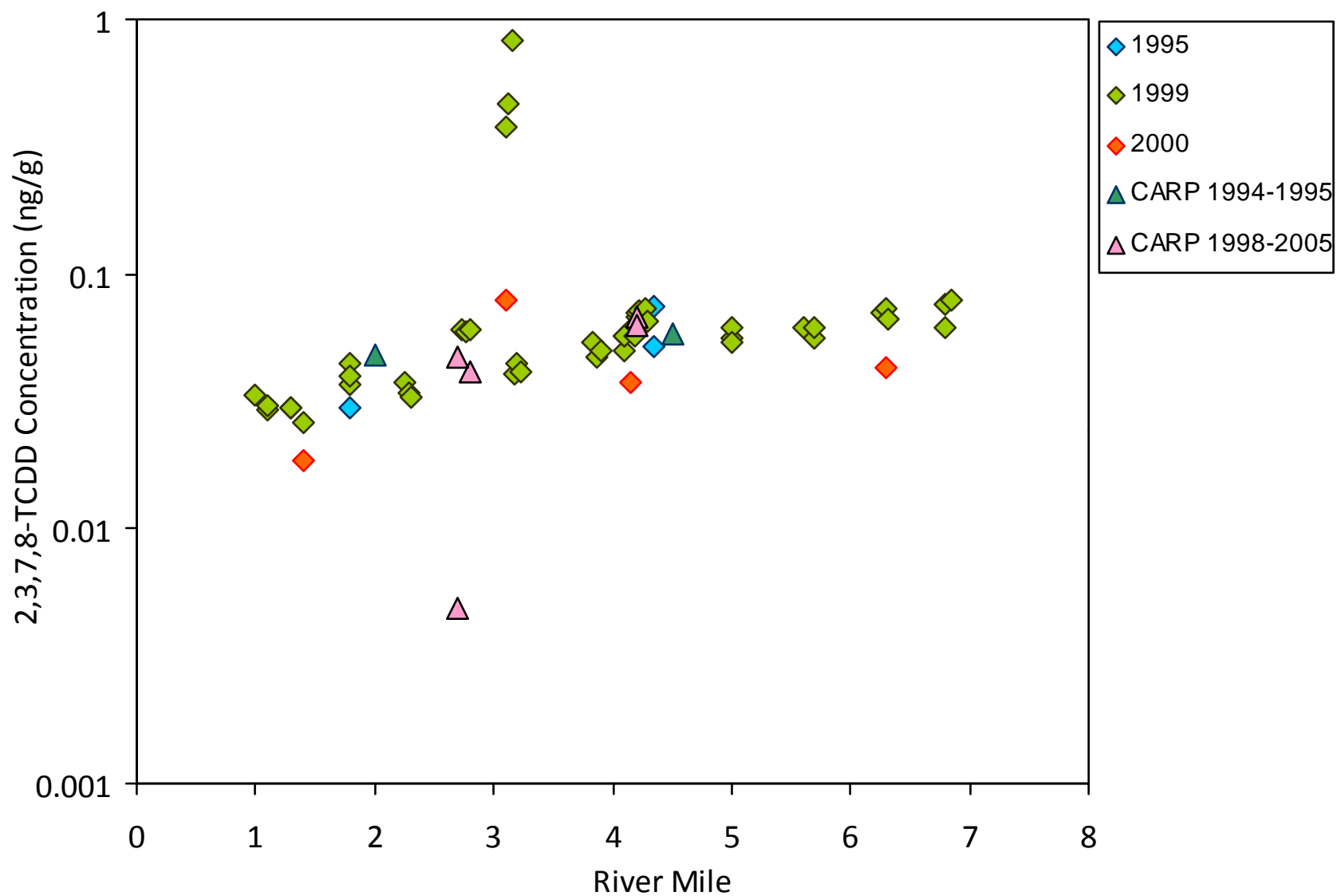


Mercury Concentration in Blue Crab Tissue vs. River Mile

Lower Passaic River Restoration Project

Figure 22-1b

September 2008

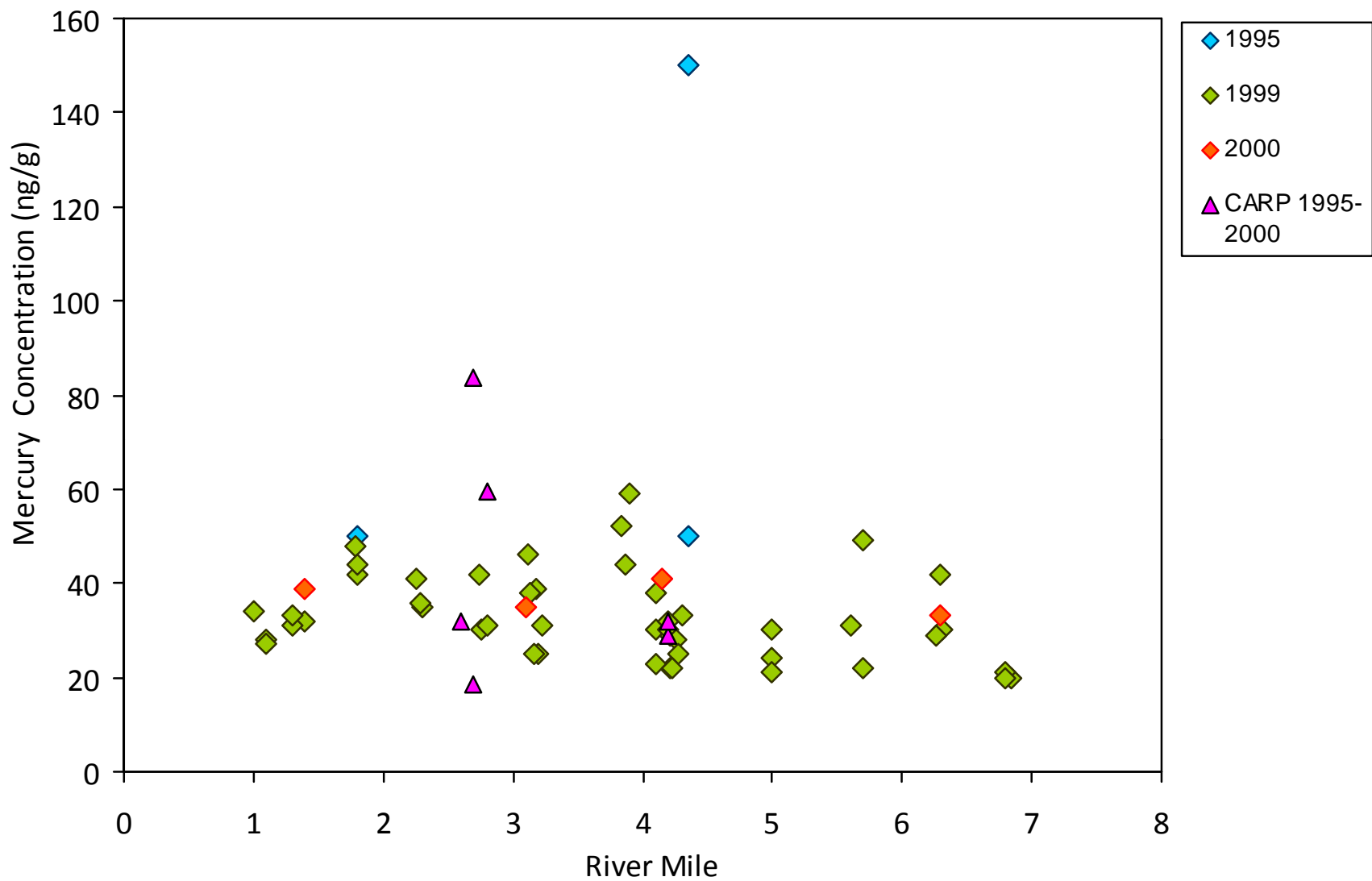


2,3,7,8-TCDD Concentration in Mummichog Tissue vs. River Mile

Lower Passaic River Restoration Project

Figure 22-1c

September 2008

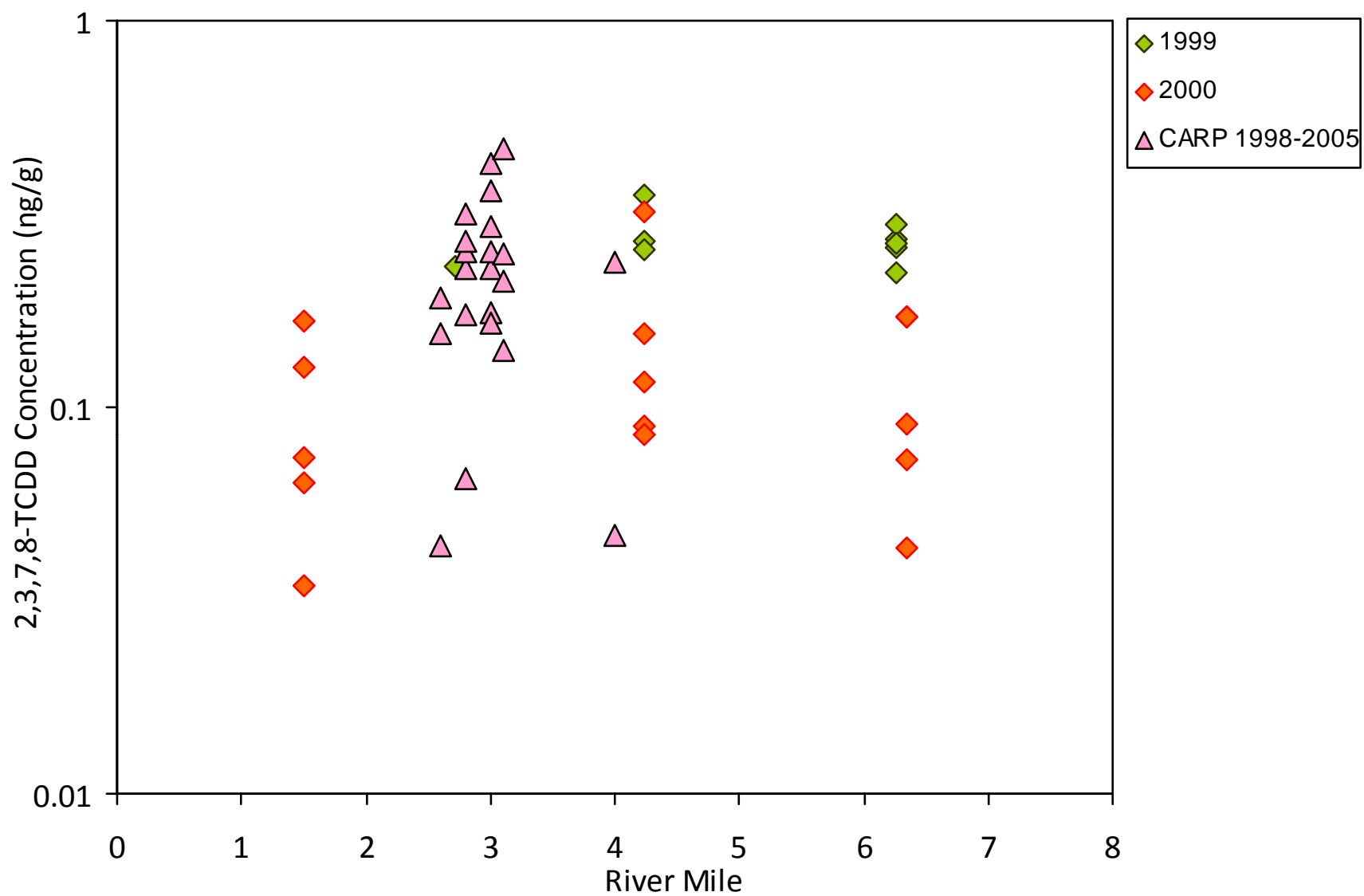


Mercury Concentration in Mummichog Tissue vs. River Mile

Lower Passaic River Restoration Project

Figure 22-1d

September 2008

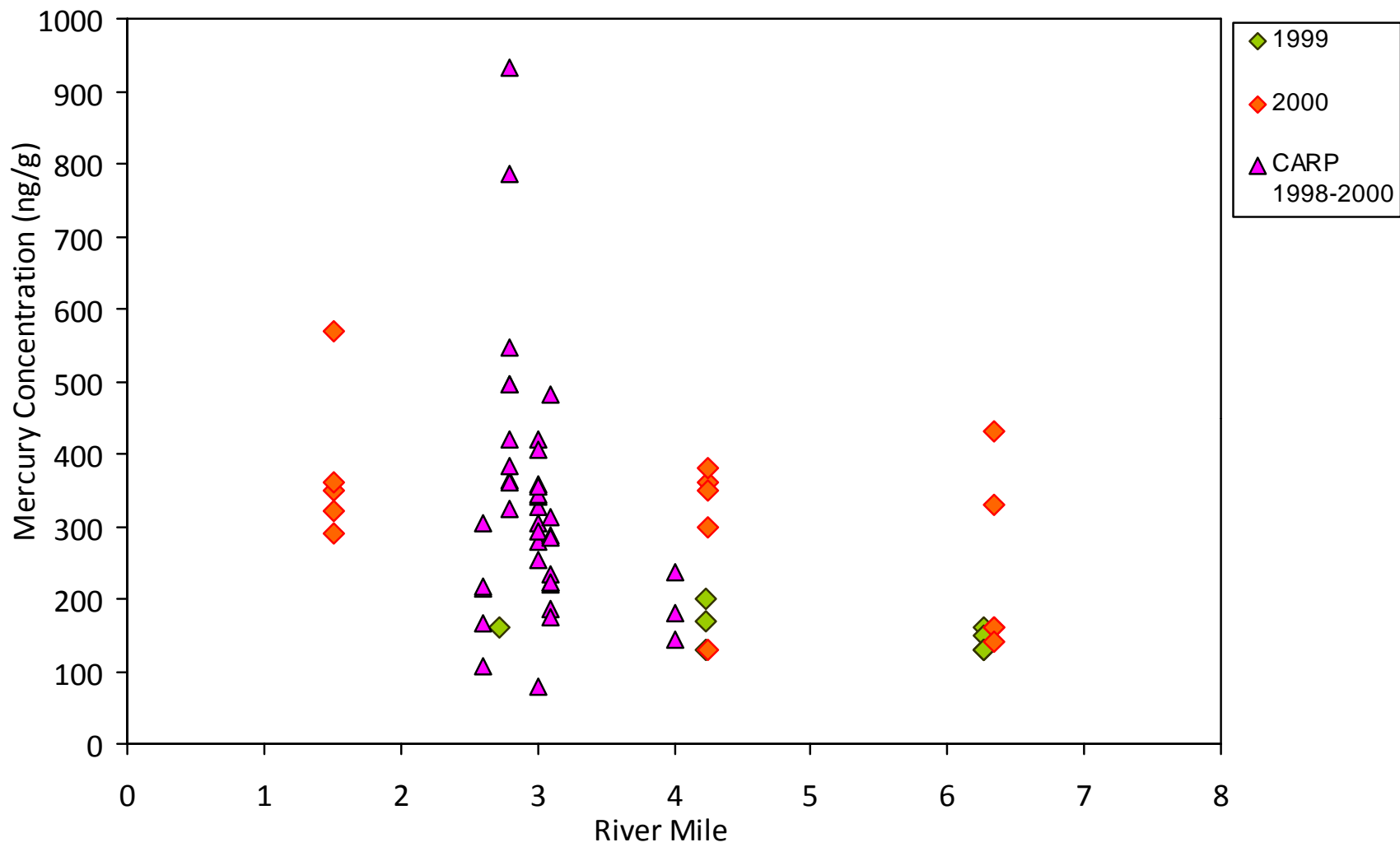


2,3,7,8-TCDD Concentration in White Perch Tissue vs. River Mile

Lower Passaic River Restoration Project

Figure 22-2e

September 2008

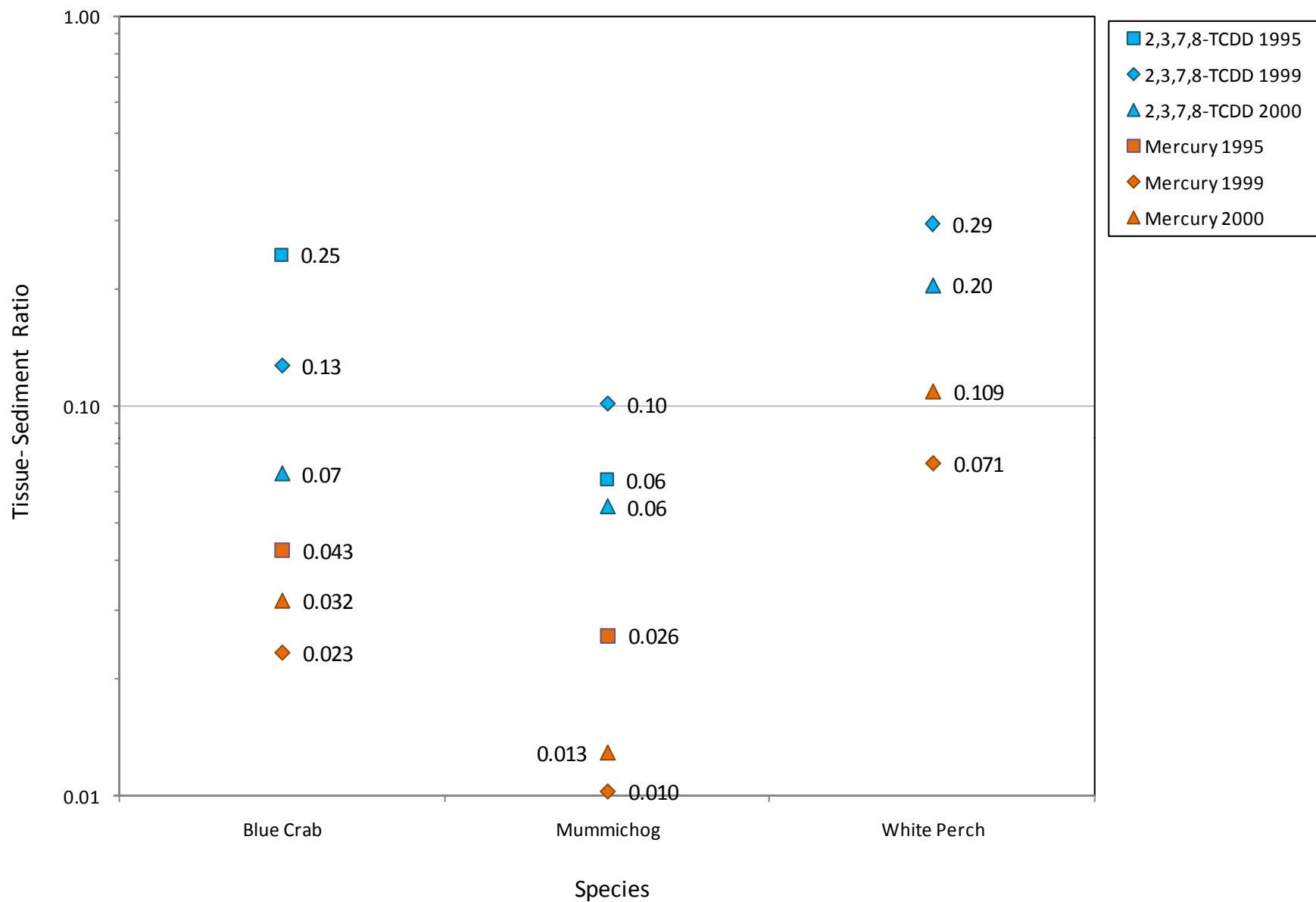


Mercury Concentration in White Perch Tissue vs. River Mile

Lower Passaic River Restoration Project

Figure 22-1f

September 2008

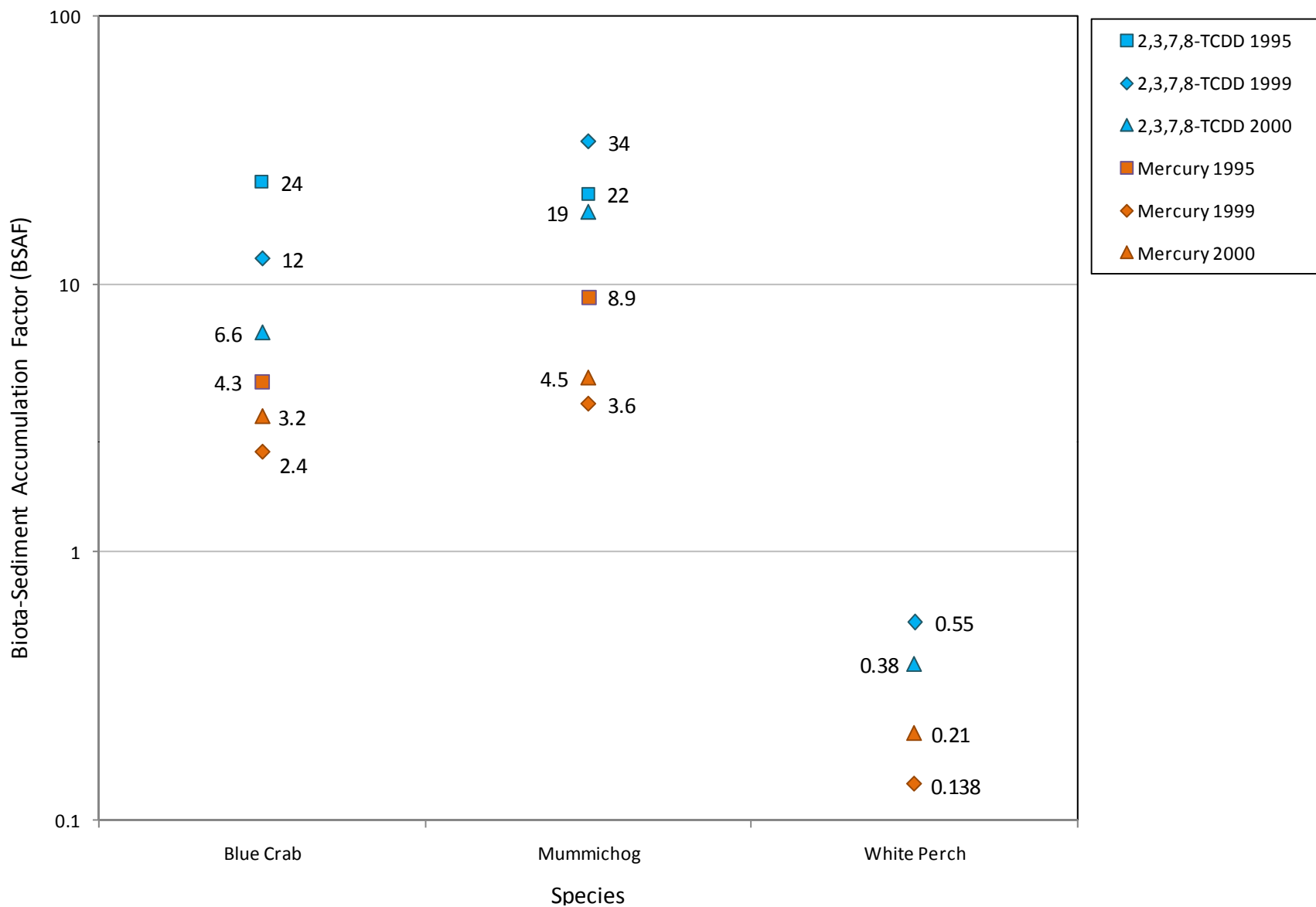


Lower Passaic River Average Tissue-Sediment Ratio values for 3 Species for 2,3,7,8-TCDD and Mercury for the years 1995, 1999 and 2000

Lower Passaic River Restoration Project

Figure 22-2

September 2008



Lower Passaic River Average Biota-Sediment Accumulation Factor (BSAF) values for 3 Species for 2,3,7,8-TCDD and Mercury for the years 1995, 1999 and 2000

Lower Passaic River Restoration Project

Figure 22-3

September 2008